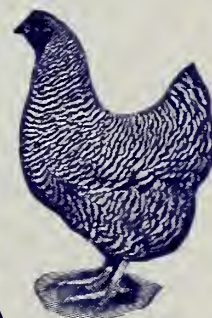


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JULY, 1911

THE INDUSTRIOUS HEN



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AN ILLUSTRATED MONTHLY
FOR
POULTRY, LIVE STOCK AND THE FARM

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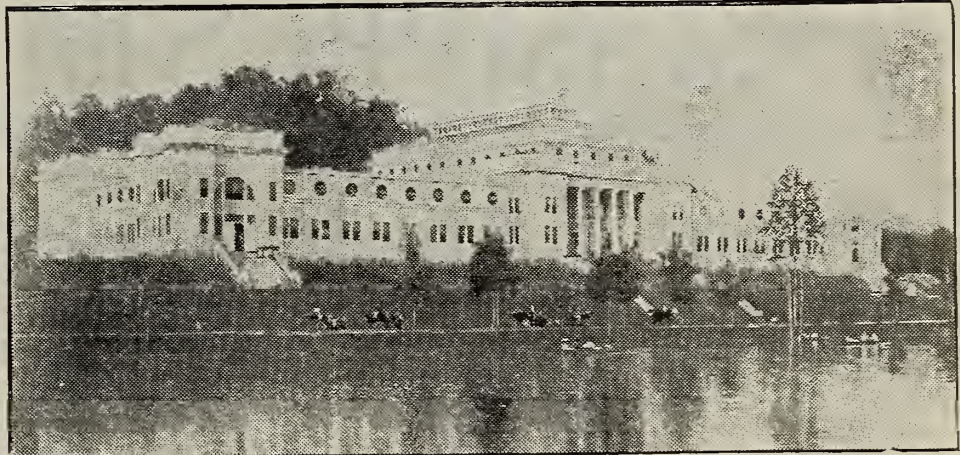
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THE INDUSTRIOUS HEN

An Illustrated Monthly for the Commercial and Fancy Poultryman.

Vol. 8

Knoxville, Tenn., July, 1911

(Whole No. 86) No. 2

Standard or Utility Wyandottes

O. F. SAMPSON, Youngs, New York.



THE new Standard of Perfection, among other things in the Wyandottes, requires a mature bird to weigh—female, 6½ lbs. for hen and 5½ lbs. for pullet. Coupled with this is the typical “Wyandotte shape” of short, broad back; and deep round body. As a fancier’s bird these shape requirements are placed first over all other considerations. Judging from a utility standpoint, however, are these shape requirements conducive to best results?

The Wyandotte of the past has been more or less prominent in egg requisites; and for market they have also played strong parts. Is the placing of the short backs on a light-weight, deep body bird bred by many for utility purposes going to prove a benefit or detriment to the breed? Personally, I have never bred Wyandottes, but from experience in breeding utility birds, I have nearly always found my best results came from females of long, rather than short, deep bodies. I believe, also, our layers of large eggs usually are long rather than short-body birds. Even our Leghorn breeders are today breeding longer bodies, and lower tails (which serve to also make bird appear lower and longer in body) while the Standard of fanciers places the Leghorn type in a shorter bird, with more curves. Regardless of this, many utility breeders are breeding more and more Leghorns in the Minorca shape.

Questions as to shape, practical points, etc., as now required by the Standard for Wyandottes were sent to several prominent breeders of this breed by the *American Poultry World*, of Buffalo, N. Y., a short time ago, and the answers are so variable they are worthy of careful consideration by every breeder of these birds. I am giving some of them, and condensing the answers in the variable shapes received. Careful study of them is the object of this article.

I will only say these answers are from such breeders as J. W. Andrews, Dinsmore & Co., J. H. Jackson, F. H. Wood, John S. Martin, Fred C. Lisk, and others of equal, or greater prominence. Other breeders were probably questioned who failed to reply. The general idea seems to be that the length of body has been increased, but by a careful study of the new Standard, I fail to thus understand it so. I do agree with many that *length* and *depth* of body tends to insure greater capacity for converting food into eggs and meat, and also to assimilate food to better health and vigor.

Question 1.—What do you consider a fair average egg yield, for White Wyandottes per hen per year? (Of course, what is told of *White Wyandottes* will apply equally as well to all these varieties.) The answers for pullets run from 80 to 180; yearling hens from 140 to 160; 2-year-olds, 120 to 140. Scarcely two answers are alike. Results differ.

Question 2.—“At what age does the White Wyandotte reach laying maturity?” Answers to this question are not so unusual, as breeders of every breed differ on this question very materially. Really there is less difference than we would expect. Answers.—Lowest, five months; longest, six months; most answers five, or five and one-half to six months.

Question 3.—“At what age does the White Wyandotte reach breeding maturity?” Answers.—One says six months to *four years*. Here answers differ very greatly. They run from five months to four years. The greater part use males six months to ten months, and females seven months to one year.

Question 10.—“At what age are White Wyandottes in best shape for market poultry?” Answers run from *four weeks* to

twelve weeks for broilers; and from five to nine months for roasters, etc. Very great variance is shown here. More than is usual among breeders of other breeds. As profits for utility breeders are secured from early marketing and early layers, it seems breeders of this breed should endeavor to secure earlier maturity and quicker development for market, as well as more uniformity. Other breeds are improved along this line.

Question 11.—Deals with weights secured in male and female at ages of four weeks, eight weeks, six months, and one year, respectively. Here we find amazing variance. At four weeks the weights of males run from 14 to 16 ounces, only three breeders answering. At eight weeks the weights run from 1½ to 2½ pounds for males, with females nearly same. At six months males run from 6¾ to 9 pounds, and females from 4½ to 7 pounds. At one year males run from 8 to 11 pounds, and females from 6 to 9 pounds. These weights are given as *average* weights, so really we would have a great conglomeration of weights in the several breeders’ yards. The one essential thing for a good utility flock (as well as Standard) is to breed for as uniform weight and shape as possible, I believe.

Question 12.—Deals with age limit of utility, or practical usefulness of the White Wyandotte. The answers run from two to four years, but practically every one admits two years is long enough. Here is something I consider a fault of many breeders. It costs money to *raise pullets*, because they never give any returns up to eight months of age; it’s a mighty poor three or four-year old hen that won’t lay more eggs in *twelve months* than a pullet in *four months*. This is the limit we can average in the pullet year. Of course, most poultrymen *begin their pullets’ year when she begins to lay*, in order to make a nice record for her pullet year; hence our 160 egg records of pullets. As a matter of fact, a pullet *ceases to be a pullet* when she is over twelve months old, and she is then a yearling, and her egg record as a pullet should, and does, cease there. We should no more count her eggs as a pullet after twelve months than we should add the eggs after the hen is *two years* old to her egg record during her second year of life to increase record as a two-year-old. I find it an exceptionally good pullet that will pay her cost of raising in her pullet year, and it is often I have birds three, four and even five years old, that more than pay for their keep. During May 1, 1908, to May 1, 1909, I “kept tab” on a pen of Brown Leghorns whose ages ran from over one year old in youngest to over seven years old oldest. There were six of these in the pen at the start, but in November one died, and still the pen laid 1,186 eggs for the year. Counting 5½ hens as an average, we have a record of 215 eggs per hen for the year; and the ages of the birds would average nearly five years old. My experience has been that it pays to keep a *laying hen* of any age.

From the above, it will be seen there is a great chance for betterment in the utility essentials for Wyandotte breeders. Many of them are desirous of changing the typical shape of the Wyandotte and making longer bodies. Others fear in doing so they may enter the Plymouth Rock characteristics. It seems there should be a happy medium; but at any rate, there should be more uniformity in their breeding under a Standard, and if they believe the Standard wrong for good utility birds, they should get together and establish a typical shape for utility and fancy. I have refrained from using the other questions and answers, as they didn’t directly refer to utility, or the fancy essentials.

Simple Treatment For Early Symptoms

MICHAEL K. BOYER, Hammonton, N. J.



WHILE the writer holds that it is not profitable to resort to much poultry doctoring, inasmuch as even if the fowls are apparently cured they are unreliable as breeding stock, but to give prompt treatment in the early stages is a wise act. Reviewing the more common ailments in the poultry yard, we learn these facts.

If in the early stages of bumble-foot, we can spread the corn by painting liberally with tincture of iodine, daily, for a week. Bumble-foot is caused by having too high perches or roosting places. In flying down the fowl's feet often come in contact with some hard, sharp object which causes a bruise resulting in the corn.

When our hens are allowed to become overfat, a disorder of the oviduct is often the result, which causes it to "break down behind." It really is no disease—merely a penalty for

When a bird is debilitated it needs something nourishing so as to build up the wasting tissues. There is nothing better than a raw fresh egg every morning, until the fowl shows signs of recovery. Then it can be changed to a little cooked meat, and a little muriate of iron added to the drinking water. When it is noticed that a bird is mopish, but otherwise seems in good health, this sluggishness can be quickly remedied by giving a family liver pill—just the kind that you would take yourself did you seem out of sorts. Repeat each night for three nights in succession. If possible also allow the bird free range over a grass plot during the day time.

Slight cases of diarrhoea can be greatly benefited by adding a few drops of spirits of camphor to the drinking water. Also add finely ground charcoal to the soft feed.

Nothing better than linseed meal for indigestion. Give a gill in the soft feed, to each dozen hens. A teaspoonful of fenugreek added to the mash for every ten fowls is also a good remedy.

A pill made of a half grain of quinine, one grain of sulphate of iron, and five grains of phosphate of lime, is just the thing for cases of leg weakness. A more simple remedy is ten drops of tincture nux vomica in a quart of drinking water.

A pill of asafoetida, about the size of a pea, given night and morning is highly recommended for cases of limberneck.

When the fowl "rattles in the throat" it is evidence that there is some bronchial affection. This "rattling" will be more plainly noticed at night, while the fowls are roosting. Give a half teaspoonful, every other morning, of a mixture composed of equal parts of vinegar and water. If this is not effective treat with a mixture of one part of spirits of turpentine with four parts sweet oil, giving ten drops daily.

There is no more effective remedy for scaly legs than to coat them with gas tar, allowing the preparation to remain on the legs until it wears off. The scales, as a rule, come off with the tar. To make a still more complete job of it, after the tar has worn off, wash the legs with warm water and carbolic soap, and after wiping dry apply a preparation of one-third carbolic acid to two-thirds glycerine. The glycerine has a tendency to soften and bring out the color on the shanks and toes that may have become harsh and dry.

A drop of glycerine is also a sovereign remedy for sore eyes.

How to Prevent Sorehead.

SOREHEAD is a disease peculiar to the Southern States, and in its ravages every year it carries off thousands of fowls, often destroying whole flocks, and while the cause of sorehead is yet shrouded in mystery, some claiming one thing and some another, there are several good remedies that can be applied. The disease begins with small sores, covered with black scabs, on the face and head, and gradually the eyes become closed, the fowl droops and finally dies. It is very contagious and it takes prompt, decisive work to check it, if it breaks out in the early summer. Fowls are rarely attacked with it after the first few frosts.

Give for drink two tablespoonsful of Epsom Salts in each half gallon of drinking water three or four times per week, and apply to the head a light coat of pine tar. By using the above preparation once a week as a preventive during the early summer months, a case of sorehead will be of rare occurrence in your yards. It is a better plan to kill the first fowls showing the disease, and then thoroughly spray and cleanse everything around the yards and houses with Zenoleum or carbolic acid water. A remedy also used successfully is to bathe the head of the fowl in warm soap suds, thereby softening the scabs, which can then be picked off, and while still wet touch each sore spot several times with a piece of bluestone. Be sure to separate the sick fowls as far from the others as possible; feed on soft feed, with salts in the drinking water as previously mentioned.—E. G. WARDEN, Charlotte, N. C.

The nest egg theory is out of date. There used to be an old-time belief that it was necessary to have nest eggs in order to induce the hens to lay. There can be but one virtue in the nest egg, and that is to teach the hens to lay in particular nests, but the nest egg has no influence whatever on production.



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injudicious feeding. The best remedy known is to kill and eat such specimens. They are not sick birds.

Canker is a disgusting ailment, but generally in the start it can be checked by several applications of fine salt rubbed on the sore spots.

Four drops of aconite in a half pint of drinking water, given daily for a week or more, is effective in cases of catarrh.

Chicken-pox can be successfully treated by anointing the head and wattles with carbolated vaseline, after having first bathed well with hot water. A one-grain quinine pill should also be given each night for a week.

A one-grain quinine pill, given each night for three nights or a week, will also work wonders in cases of colds.

Cases of costiveness can also be relieved by adding ten drops of sulphate of magnesia to each pint of drinking water.

For enlarged or sour crop, a half teaspoonful of baking soda to a quart of drinking water added daily for a few days, is excellent. During time of treatment feed sparingly.

Cases of crop bound have been successfully treated by giving the bird all the warm coffee that can be forced into its crop. The dose should be repeated several times.

Southern Poultry and Egg Shippers Organize

By The Associate Editor



prove the standard of eggs and poultry in the South. It is believed by promoters of the new organization that the

MOVEMENT of far reaching interest to the poultry industry of the South was launched in Nashville last month, when the Southern Poultry and Egg Shippers' Association was formed. The organization is not limited to States, but is to be "all Southern." Membership will be limited to car-lot shippers, but smaller dealers will be eligible as associate members. The object of the association is to im-

best product an opportunity to get full value for his eggs, and the man raising bad stock would lose when it got to the shipper. Mr. Pierce gave a lecture demonstrating the candling and grading of eggs for shippers, showing fourteen different qualities of eggs that are apparently of the same kind. He also delivered a lecture on marketing poultry, and on the relation of the shipper to the community.

Among the most serious mistakes of the farmers, according to Mr. Pierce, is slow gathering of eggs and then holding them too long before moving them to market. Poor breeds of hens is another drawback. When an inferior product comes on the market the dealer is compelled to make his price accordingly, and the loss, after all, must be borne by the farmer.

Dr. M. E. Pennington, also of the United States Department of Agriculture, was present at the meeting, and gave instructive lectures covering such subjects as, "Suggestions for the Improvement of Market Poultry," and demonstrations in the candling and grading of eggs, killing, cooling, dressing and packing poultry, etc.

"The Pure Food Law and Bad Eggs" was the subject of an instructive address by Dr. Lucius P. Brown, pure food and drugs inspector for Tennessee. An open discussion of important topics, including such subjects as "Should Eggs be Bought Case Count or on a Quality Basis," "Increasing the Lay of the Hen," and "Co-operative Buying and Selling," was held.

The next meeting of the association will be held in Nashville in October. While the association is composed of shippers, the movement is one of great import to Southern farmers and poultrymen, who should welcome the introduction of improved methods in the South, and the inauguration of an educational system showing how profits can be greatly increased by scientific handling and improved breeding.

The Mottled Anconas as Layers

THE chief value of the American hen is in her ability to produce eggs. There may be a few establishments whose principal business is to produce broilers, and although they may make a success, the vast majority of poultry breeders keep their stock for the production of eggs. If a hen will produce eight dozen of eggs a year, she is making a fair profit for her owner. Taking the average price as 25 cents per dozen, she is bringing in \$2.00 per year. Figuring the cost of the food at from 80 cents to \$1.50 per year, we have from 50 cents to \$1.20 clean profit. Taking the lowest figures of a profit of 50 cents and estimating the value of the hen at 50 cents, for the investment of \$1.00 we get a profit of 50 cents or a 50 per cent return on the dollar, which is better than most banks pay.

Now a good breed of hens like Anconas will lay on the average of from 10 to 15 dozen per hen in a year; say 15 dozen at 25 cents per dozen, which amounts to \$3.75, a total that the hen brings in during the year. If you take \$1.25 out for her feed, you still have a clean profit of \$2.50 per hen, or a profit of 250 per cent on your investment.

While we can buy many hens of the mixed kind for 50 cents, the value of an Ancona to a person is far more than that. One who has a good laying strain can hardly afford to sell them at \$3.00 each; for if you keep them a year they will bring you in clear nearly the \$3.00, and you still have your hen.

Now these figures are not high, for many an Ancona hen lays over 180 eggs per year. Many have laid as high as 250, or even more. So an average of 180 eggs per year should be reached by a good strain of Anconas, bred to lay. But if you only receive 10 dozen per hen as the average from your flock, do not feel discouraged, for you are still earning a large per cent; in fact, any hen that will clear \$1.00 in a year is a very good investment. Anconas, however, will come nearer making a profit of \$2.00 than \$1.00. The Ancona has been tested time and again alongside other breeds, and always came out with flying colors. Many of my neighbors say they get eggs all winter since they have the Anconas. You want to say the same thing.—H. M. BEDFORD, Strongsville, Ohio.



BLACK ORPINGTON COCKEREL

Son of Black Empress, Grand-son of Nabob, winner of first at Madison Square and elsewhere. Bred and owned by the Cheviot Farms, Sta. L., Cincinnati, Ohio. The Cheviot Farms have issued a special sale bulletin, as they have just purchased a new farm within the corporate limits of Cincinnati and will only move a small portion of this stock here, selling the balance.

shippers are the ones to accomplish the greatest results in this respect.

At present it is estimated that the loss on account of insufficient methods in handling poultry and eggs amounts to three million dollars annually in Tennessee alone, and the loss to the South will probably reach the astounding sum of twenty-five millions of dollars annually. Mr. H. C. Pierce, of the United States Department of Agriculture, who was present at the meeting, states that it is to the interest of farmers and poultry raisers to effect reforms. At present the shippers buy eggs at case count, which means all qualities, while the plan that should be followed would be to buy only good eggs. Under the present system the bad eggs are thrown out and the good eggs carry the load. If only the good eggs were bought this would give the farmer raising the

Wonderful Qualities of Indian Runner Ducks

By THE EXCHANGE EDITOR.



POSSIBLY there is no fowl in the world that can equal Indian Runner Ducks for egg production. Certain it is that no breed of fowls in the South have egg records that equal some of the records made by our leading duck fanciers. I might say that the Indian Runner Duck, being, as it is, practically a new candidate for public favor in the South, well merits the many compliments given them

by breeders and the poultry press. They are being extensively advertised, and as their many good qualities become known, more farmers and their wives are taking them up, and by so doing are adding a goodly sum to their income, the present demand for them exceeding by far the supply.

It is not my intention in this article to extensively discuss the different varieties of color, or to add to what has already been said by various writers in regard to what's Standard and what's not. The differences of opinion on this subject is so emphatic that quite a breeze has been stirred about it. The penciled variety of duck, which ranges in color from seal brown to tan, conforms to the English standard, and, according to some breeders, should always lay a white egg. The old standard allowed a slaty grey on the head and low down on the back. The claim that the American stan-

the point of the breast bone and the legs. The body is long, narrow, and is carried erect, with no indication of the keel, somewhat resembling the Penguin in shape. The wings are of medium length and carried close to the body, the shoulders and top part of the wings being of the same color as the breast. The tail is composed of hard, stiff feathers, the feathers of the drake being well curled. The color of the tail is light fawn or gray. The legs should be of medium length and set well apart; the toes straight and connected by web. The shanks and toes should be of a deep, bright yellow. The standard weight of the drake is $4\frac{1}{2}$ pounds, and of the duck four pounds. They should begin laying at five months old.

A few days ago I had the pleasure of visiting one of the largest Indian Runner Duck farms in the United States, owned by Clayton I. Ballard, at White Pine, Tenn. Spending several years in the Orient, Mr. Ballard learned to know of the many remarkable qualities of this breed, as they are bred in India and China, where they are extensively raised. Upon his return to America, Mr. Ballard was the first to introduce and advertise them in the South, and probably more Southern people have since secured their foundation stock from him than was secured from any other Southern man.

From what I have observed and from the information secured from Mr. Ballard and other breeders of Indian Runner Ducks I am firmly convinced that the "so-called extravagant claims" made about them have good foundation. In answer to the query as to whether or not they come up to these claims made for them, I will say that I believe they do—that is, reasonable claims. Of course, some breeders in their efforts to boost the breed are more or less prone to exaggeration, but here is evidence as to their laying qualities that is indisputable and conclusive, and certifies beyond all doubt to the fact that Indian Runner Ducks are the leading producers of eggs today:

"State of Tennessee, County of Jefferson.

Clayton I. Ballard, proprietor of Nola Chucky Poultry Farm, White Pine, Tenn., being first duly sworn, certifies that six (6) Indian Runner Ducks laid from January 1st, 1909, to January 1st, 1910, 1351 eggs as follows: January, 119; February, 149; March, 177; April, 163; May, 168; June, 111; July, 70; August, 109; September, 93; October, 94; November, 63; December, 35; a total of 1351, an average of over 225 eggs per duck in twelve (12) months.

(SEAL)

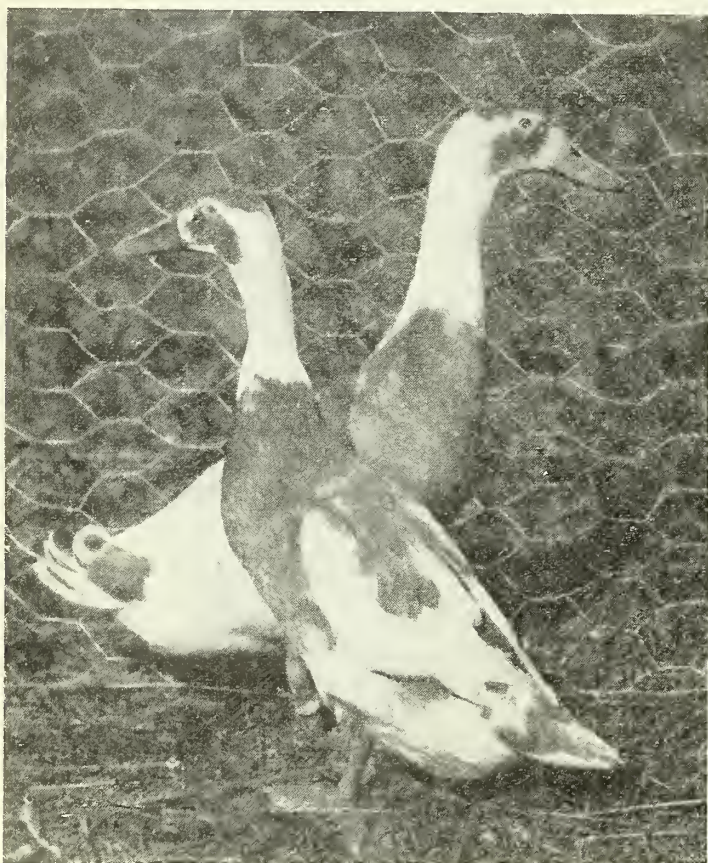
Signed: CLAYTON I. BALLARD.

Subscribed and sworn to before me, this 2d day of September, 1910. J. E. WILLIAMS, Notary Public.

It will also be observed from the above affidavit that from the first of March to the first of July, a period of four months, these six ducks laid 609 eggs. In comparison with fowls, I will say that the best record I have known for fowls was made with a pen of six Mottled Ancona hens in my yards, which laid during this same period of time 510 eggs—a substantial majority of 99 eggs for the ducks. From the above adduced facts, it is clearly shown that the Indian Runner Duck is the peer of any egg-producing fowl in America today.

The attractive features of duck raising, according to a leading authority, lies in the cheapness with which a commencement can be made. In the first place, pens of three feet in height are ample to keep the birds safely confined, and the fences need not be so elaborate as those for fowls. Then, again, ducks do not appreciate houses and there is no need for them. This house question alone cuts the expense to the beginner in half in favor of the duck, and is a most economical feature. While it is supposed that to keep Indian Runner Ducks successfully a large pond or running water is necessary, it is a mistaken idea, as these ducks can be raised successfully generation after generation without any bathing water whatever. Most breeders, however, prefer bathing water in some form. There is no need for nests, as the ducks drop their eggs wherever they may be standing, and if the flocks has bathing water, it will be necessary to keep them penned until the laying period ends each day—about nine o'clock in the morning. At that time they can be released from the enclosure and allowed to take to the water.

Feeding the ducks for the highest possible production of eggs is necessary. Mr. Ballard feeds a wet mash composed of wheat middlings, wheat bran and corn meal three times a day during the spring laying season. Dried beef scraps compose one fifth of the ration. For ducklings, he feeds two



Pair of Indian Runner Ducks. Owned by Clayton I. Ballard, White Pine, Tennessee.

dard duck, which calls for a distinct fawn and white color, does not lay anything except a white egg is erroneous, as I know some of the leading prize ducks in the South last season are today laying some eggs that are tinted.

According to George E. Howard, and his view is also endorsed by other well-known breeders, the standard-bred Indian Runner has a long, flat, finely-formed head of a light fawn or grey and white color. The head should be adorned with cap and cheek markings of light fawn and grey, the cap being divided from the cheek markings by a narrow line of white about one-eighth of an inch wide. The bill is of unusual length, fairly broad and strong at the base. The eyes are of a hazel color and set light in the head. The neck is unusually long and slender and white in color from head to the beginning of the breast markings. The back is long and narrow and of a light fawn or grey color—a light fawn and white. The breast is round and full and of a light fawn or grey color, evenly divided about halfway between

measures of wheat bran and shorts, one of corn meal, two of fresh cut clover or rye. He feeds the above as a wet (not a sloppy one) mash four times daily from twenty-four hours to six weeks old. After the ducklings are ten days old, add to the above ten per cent beef scraps and two per cent clean sharp sand or oyster shell. Unless the weather is warm, do not allow ducklings to swim in water until they are three or four weeks old. If there is danger of turtles, forbid it until they are full grown.

There are thousands of acres of land along the South Atlantic coast and the Southern states suitable for raising

In Quarantine--By Uncle Joe

Mrs. P. T. Grimes, Archer, Fla., I am informed that White Holland turkeys will thrive without free range. Can they be confined in a yard with good results?

The White Holland turkey does not require as large a range as the bronze variety, yet could not advise the confining of them in a yard of comparative small size. An acre of ground fenced in would accomodate a pen of turkeys (5) very well, but it would require thought and attention to

give them all the tidbits necessary for the proper fertility of the eggs laid.

P. K. H. Flowery, Branch, Ga., What is protein? I read in the papers that hens require protein to produce fertile eggs. I want to sell eggs and stock for breeding purposes, but being a beginner, don't know how to go about it. Would it be best to have birds scored and sell according to score card?

Meat contains a high per cent of protein. Wheat contains more than corn. Protein is a nitrogenous substance and constituent of food. Don't do it. Wait until you become more familiar with your breed before starting to sell eggs or stock. As knowledge increases you will be able to determine their value by attending the shows and fairs. In two years, perhaps, depending on your aptitude, you will be ready to enter the greatest of all mail order businesses; the selling of "eggs for hatching."

J. E. P. Washington, N. C. Do you think my birds have the roup? Some of them have sore eyes, with a little frothy white substance in the corners. In the morning their eyes are shut, the lids being stuck together. Some of them are running at the nostrils, and they sometimes sneeze. So far I have not lost any.

Your birds have colds which will lead to roup. The sore eyes are probably caused by draughts blowing on the chickens during the damp, cold nights. If such is the case all draughts should be excluded. If the roof leaks or the floor is damp this should be remedied. Draughts and dampness are the most common causes of colds and roup. Wash the eyes with diluted sulphate of lead, first washing with water and castile soap. Separate the fowls that have colds from the well ones, and give extra attention. Feed well and give a one grain quinine pill. To each quart of drinking water put about two grains of permanganate of potassium.

Mrs. M. H. A. Collinsville, Tenn., What degree of cold will kill the germs of eggs so they will not hatch? What is the best temperature to keep eggs for hatching?

They should not be exposed to a temperature lower than 40 degrees above zero. The egg freezes at 15 above zero. From 50 to 60 the eggs keep best.

Paul Lec, Summerville, Ala. Are eggs that have been tested out of incubator on the seventh day fit for use or to sell?

Such eggs are unfit for table use, though some of the cheap bakeries in the north buy them to use in cakes. The consumer would certainly know that the eggs were not fresh. The best way is to save the eggs until the hatch comes off, then boil them and feed with bread crumbs to the newly hatched chicks.



Photo of Breeding Pen of White Wyandottes on The Fisheldotte Farm, the home of the World's Best.
J. C. Fishel & Son, Box H, Hope, Ind.

the Indian Runner Duck. Where there is a good local market for eggs should be the paramount question in choosing a location. In the matter of the soil, where it is well-watered should be given the preference. There is worthless land on thousands of farms that could be converted into duck farms that would pay handsome dividends for the amount invested.

Beware of the hidden nest. It is not uncommon for farmers to take the eggs from a hidden nest and put them in the fresh egg basket. As one has no way of knowing the age or condition of such eggs, there is a great risk in such a procedure.

A Small Word That Means Failure

GEO. A. RINEHART, Washington, D. C.



THE small word "Lice," which, while it is small, surely is the cause of destroying many thousands of dollars worth of poultry each year, and especially during the early months do these little pests destroy the young chickens or interfere with their growth and development.

Bird lice differ considerably from the ordinary lice of haired animals. They do not suck blood, for they are provided with a mouth that only enables them to bite. They live on the crusts, scales and dead cells that gather on the surface of the skin and are prevented from falling off by the feathers. There are several varieties of these lice, and, while they differ considerably as regards shape and size, their habits are about the same. They are small, and their bodies are plainly divided into three parts, the head being large and flat; their color is usually grayish or yellowish, and sometimes brown. They cause a great deal of itching and annoyance while crawling over the surface.

They are not produced through filth and neglect, as a rule, and it has been shown that they are only produced by like parasites, and have the propensity of reproducing themselves with great rapidity. It is true that neglect, dirt and filth favor the growth, but they will not appear in the poultry yard unless brought in by an infected fowl or by a coop used in markets. Poultry houses that are dark and damp furnish favorable places for the growth of these insects. Fowls that are in poor condition are more apt to be infected than those in good condition, and it has been noticed that where there are a number of fowls in an infected pen, the ones least rugged harbor the

most lice, the probable reason being that such fowls furnish a somewhat dry skin, which will provide more hiding places and more food than the smooth, pliable skin on a healthy bird. It can be noticed that infected birds are uneasy and restless, and are constantly pecking different parts of the body and scratching and shaking themselves, and are inclined to dust themselves frequently. When examined closely, by spreading the feathers apart, and especially about the head and neck, where they cannot be reached by the bill, lice will be found; and at times can be found in the nests and out-of-the-way places on the roost and in cracks.

In attempting to destroy lice it will be necessary not only to treat the fowl, but also the premises. In treating little chicks but a few days old, that usually acquire lice from their mothers, use sweet oil, or lard, applying on the chicken's head and sides of the neck. For older fowls sulphur ointment is very good; it should be applied in small quantities about the head, sides of the neck and beneath the wings; insect powder may also be blown between the feathers. This latter way will destroy or drive away the lice. Another plan is to place the fowl in a box provided with an opening through which the head can project, then fill the box with sulphur fumes, which will destroy the lice quickly. A weak solution of carbolic acid or Zenoleum can be used as a wash.

All movable fixtures in the chicken house should be removed prior to the cleansing of the building, and then the entire interior should be whitewashed, using about one pound of chloride of lime to every four gallons, or the entire building may be sprayed with a solution of carbolic acid. If this is carried out, there will be very little trouble in keeping the fowls free from lice.

A Billion Dollar Poultry Industry for 1911

A BILLION dollars is set down as the value of the poultry and egg products of the United States for the present year, as estimated by the *New York Sun*.

The United States census of 1900 gave the value of poultry and eggs at \$280,686,429. In 1905, according to the ninth annual report of Secretary Wilson of the department of agriculture, poultry products had "climbed to a place of more than half a billion dollars in value," so that the farmer's hen now competed with wheat for precedence; while at a banquet given by the Washington Poultry Association in December, 1909, Secretary Wilson said that "the poultry and egg products of the United States in 1908 amounted to \$700,000,000 and were second only to the corn crop in value."

Figures supplied by the government show that in 1905, 1906 and 1907 the increase was 50 per cent more rapid than from 1900 to 1904, and "if this rate of more rapid increase was kept up for 1908, 1909 and 1910, as no doubt it was, then it is clear that in 1911 we shall have a billion dollar poultry industry and with a good margin to spare."

Regular poultry courses are now taught at more than twenty agricultural colleges of the United States and Canada, and graduates in poultry husbandry are now receiving diplomas at the rate of several thousand each year. These graduates are returning to the farms of the country to raise more and better poultry by improved methods, or they are taking places as professional poultrymen, or starting plants of their own.

Hundreds of carloads of live poultry are shipped east from Indiana, Illinois, Missouri, Iowa, Kansas, Tennessee and other mid-west and Southern states. More than eight hundred regular poultry cars are now employed in this service. Ten years ago the number of these cars was less than two hundred.

More than two thousand poultry exhibitions are now held each year in the United States, including fall fairs and winter poultry shows. The different branches of poultry raising as a business include the operation of broiler and roaster plants, egg farms, duck ranches, the sale of day-old chicks and ducks, custom hatching, the work of fanciers and so on, the successful fancier being now known more generally as a poultry breeder, because of the increase in the commercial value of his work.

There are now thousands of experienced poultrymen in the United States who make a regular business of breeding

standard bred fowls, their annual production varying from small flocks to thousands of birds. Prices obtained for this stock range from \$1 to \$100 a head, with occasional sales reaching such figures as \$200, \$300, \$500, \$800, \$1,000 and even \$1,500 for extra choice breeding stock or exhibition specimens.

Eggs for hatching from standard bred fowls now sell freely at prices that would have been declared impossible a few years ago. Customary prices range from \$1 for thirteen eggs to as much as \$10 an egg. Some specialists of popular varieties receive from \$1 to \$5 each for hatching eggs from choicest specimens and the demand for them is greater than the supply. Day-old chicks now sell in great numbers at from 10 cents to \$5 each, according to the quality of the parent stock.

But it is still the poultry produced annually on the farms of the United States that form the solid foundation of the country's great poultry business. The poultry fancier, so called, has done and will continue to do a great work, but the farmer is the natural poultryman, and it is on the farms of America that the thousands of tons of poultry meat are produced and the million of dozens of eggs are laid each year. It is the farmer and his everyday helpers who are sending to market the train loads of poultry and egg products. It is the farm product that must be considered in tabulating the immense figures that pile up into a billion dollar industry.



A PLAN has been inaugurated whereby a practical poultry plant is to be in operation in Grant park, a summer amusement and zoo, in Atlanta. It met with instant favor, and here are some of the Atlanta fanciers who are helping this worthy scheme along with material contributions: S. W. Bacon, Jr., a pen of Plymouth Rocks; H. R. Reils, pen of Black Orpingtons; J. I. Hosford, Rhode Island Red Cockerel; J. Nephew, pen of Rhode Island Reds; M. F. Morris, pen of White Wyandottes; J. M. Karwisch, pen of White Rocks; Callahan & Son, of East Point, Ga., trio of Rhode Island Reds; Will V. Zimmer, White Leghorns; F. J. Coll, pen of White P. Rocks; C. O. Harwell, pen of White Rocks. These contributions were made with the provision that the city take the matter in hand and look after the plant properly.

Art of Dressing Turkeys for Market International Egg-Laying Contest

OUR custom of serving the turkey in the American home as the nucleus of the Christmas feast is linked with the romantic days when the Red men roamed Virginia. The turkey is a native of America and, like the Indian and buffalo in their wild state, cannot stand civilization, and in their domestic state will only thrive under certain conditions. The industry has been annihilated in New England and many parts of the West by the disease commonly called black-head, and the section freest from the ravages of this deadly disease today is the mountainous parts of the South. Those who are so fortunate as to possess the experience and right surroundings will find it very profitable in the future to produce them.

To dress the turkey so that they will show up golden yellow, tinged with pinkish cream and command premium prices in the Eastern city markets, we keep them free from



Mr. Geo. Sixeas, New Castle, Va., in practical demonstration work of dressing turkeys for market.

feed for twelve hours, and then hang them up to pick. In locking the wings, we bring one over the other and catch the tip of the lower under that of the upper. We then quickly thrust a keen knife down the throat and draw it out so that it will sever the jugular vein. Then we plunge the knife up through the roof of the mouth into the brain, and while the knife is in contact with the brain, we give it a slight twist so as to paralyze the turkey and make it loosen its grip on the feathers. Then we quickly remove the feathers and when finished, we catch the turkey by its feet with its head near the floor, and give it a quick jerk to throw out the blood which has accumulated in the throat. We then hang the turkey up to cool until all the animal heat is out of it. In packing, we prefer boxes holding about twenty turkeys. The boxes should be new and lined with strong paper, and each turkey wrapped with a sheet of parchment paper.

In blue grass fields fringed with woodlands the turkey finds right forage for producing the finest flavored flesh, and the ideal turkey producing territory is the green slopes and sun-kissed hills of the South.—GEO. SIXEAS, New Castle, Va.

While certain breeds are more inclined to yellow skin than others, the fact remains that even naturally yellow-skinned fowls can have the color of flesh changed by feeding accordingly. Corn and cornmeal is the proper food for producing yellow carcasses while fattening.

THE *Philadelphia North American* has made preliminary announcement of its intention to organize and conduct an international egg-laying competition, the first of its kind ever attempted, patterned after similar contests that have been conducted in Australia.

The interest created was so general that it was immediately made evident that it would be necessary to conduct the competition under somewhat different conditions than was originally planned. Steps were taken to enlist the services of some of the best equipped and most capable men in the whole field of poultry husbandry to serve as an advisory board, and, acting in this capacity, formulate the rules and regulations under which the competition is to be conducted and have constant oversight of the details of management. The advisory board consists of nine members, including men who have at heart the best interests of the fancier and the utility poultryman. As now constituted, the membership is as follows: G. A. McDevitt and F. V. L. Turner, of *The North American* staff; Prof. F. H. Stoneburn, Connecticut Agricultural College, Storrs, Conn.; T. F. McGrew, of the International Correspondence Schools, Scranton, Pa.; Dr. Prince T. Woods, of the *American Poultry Journal*, Chicago, Ill.; Dr. N. W. Sanborn, of the *American Poultry Advocate*, Syracuse, N. Y.; Dr. A. A. Brigham, South Dakota School of Agriculture, Brookings, S. D.; Prof. Homer Jackson, Pennsylvania State College, Pa.; Prof. F. C. Elford, Macdonald College, Quebec.

Arrangements have been made whereby the competition will be conducted on the grounds of the Connecticut Agricultural College, Storrs, Conn., and the records made and published by Storrs Agricultural Experiment Station. This arrangement insures absolute impartiality, expert management, full, accurate records and the publication of the results and conclusions in permanent form as an agricultural experiment station bulletin.

The Storrs Agricultural Experiment Station has for some time devoted a considerable portion of its funds to poultry investigations. For the purpose of this competition there will be erected an entirely new plant. The buildings will be models of their kind, and will be erected on land which has not been used for poultry during the past. In fact, the authorities of the institution seem determined to provide ideal conditions in order that the competition may be of the greatest benefit to the greatest number.

Missouri's First Egg-Laying Contest

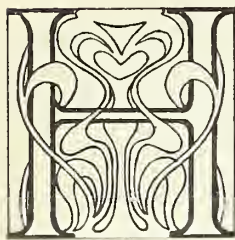
PLANS are being perfected for a first great egg laying contest to be conducted at the new state poultry experiment station now being established at Mountain Grove, Mo. The following men have been selected as an executive board: Professor Barto, of Illinois; Professor J. G. Halpin, of Wisconsin; Professor A. G. Phillips, of Indiana; N. E. Chapman, of Minnesota, and R. C. Lawry, of Missouri. These men are at the head of the poultry departments in their respective states and will formulate plans for the buildings, determine the size of the yards, the rations to be fed and will prepare rules to govern the contest, acting in conjunction with the state poultry board of Missouri. About Sept. 1 the contest will begin.

Australia has been noted for similar contests for the past several years and is in advance of this country in that respect. These contests are a fixture in Australia, are wonderfully successful and have attracted world-wide attention, and it is largely through the work of these conferences that Australia has made great progress in building up wonderful egg-laying strains of poultry of all varieties. The object of the contest is to arouse a keener interest on the part of all people to improve the chief utility point of their fowls.

Competition is open to all varieties. Any poultry raiser can contribute six females of any age for this experiment. Every pen of six females will be yarded, fed and housed just alike in every case. The six females will be entered in the name of the owner by number only, so that the public will not know his or her name and address and if their birds fall behind in the contest there will be no danger of injury to the remainder of their flock because of any low record which might be made here. The first fifty persons who make application can enter birds in this contest. Cash prizes, silver cups and other valuable prizes will be offered for the winners of each variety. Those desiring to enter a pen of six females of any variety should write T. E. Quisenberry, Mountain Grove, Mo., director of the state poultry experiment station. Only fifty entries will be accepted.

Suggestions for Keeping Up the Flock

E. G. WARDIN, Charlotte, N. C.



HENS are individuals, and the different members of a flock may in no manner be alike. When it is claimed that a flock does not lay, it must be considered that when some of the best hens in the flock may be laying and many others non-producers, the good hens fall under condemnation simply for being in bad company. One of the mistakes made is in not culling the flock so as to retain only profitable hens. Many persons have become disgusted with poultry because they have kept at an expense a lot of hens that were not worth the room they occupied, and which served only as an incumbrance to those that were producers. This mistake is a very common one with those who buy a large number of hens with which to begin, as they are sure to receive some that are useless along with the best. Any system of feeding is expensive if the hens do not lay, and the greater the number of non-producers, the more cost is added to the eggs.

The fact that there are many flocks from which no eggs are gotten is well known, and this condition is one that should have attention. When a few hens prove their superiority as layers, they should not be discarded, even if aged.



LADY WASHINGTON

Said to be the finest
White Orpington hen
in the country.

Owned by East End
Orpington Yards, East
Falls Church, Va.

The annual selling of the hens and keeping untried pullets is at the bottom of this difficulty. All pullets that are to be used for replacing the old hens should be hatched from eggs laid by the best hens, and the sire of the pullets should not only be a male from a prolific breed, but also from a family of good layers. Even with this precaution there will be worthless pullets, but they should be gotten rid of just as soon as their characteristics are known.

Hens may fail to lay also because of improper feeding. An egg is very complete in its composition, if it will produce a chick, and the food must necessarily correspond. When this is done and some of the hens lay regularly and others do not, it is time to save food, shelter and labor by getting rid of those that are unprofitable. Why not build up a uniform, handsome, high-grade flock by keeping only the best pullets and buy good males of the same breed every year? Bred with a purpose in view, and in a few years you will have a profitable, practically full-blood flock, so far as results go, if not pure bred.

MUST HAVE FOOD.—The hen that is laying needs more food than she would if not laying. Like any other machine, she must be furnished the material from which to manufacture her product. A certain amount of food is necessary to sustain life and produce an egg. If the hen does not get

it, the egg basket suffers. You cannot steal from nature without paying the penalty.

RATS.—About the most destructive thing that can get among the young chickens in the flock is rats, which can be found on nearly every farm. One large rat will kill a whole brood of chicks in a single night, and often has this occurred. It is an animal that is very hard to fence against: about the only way to get the best of them is to have rat-proof coops, and to keep all weeds and bushes cut around the premises in order that they will have no place to hide where the little chickens are out during the day.

MINKS.—These are also troublesome little animals when they get among chickens, or any kind of poultry for that matter. They do most of their destructive work among full grown chickens. There are numerous instances where one mink has killed from twenty to forty large fowls in a single night. Poultry when killed by minks is never mangled or chewed, but only the throat is cut.

Limberneck, Symptoms and Cure.

THE season for Limberneck is now on us, and if we are not careful and on the lookout for trouble, we are very likely to lose a great number of our valuable birds, especially if they are on free range. Limberneck is no disease and it is not contagious, but it is simply a symptom of another trouble or disease. While the weeds are high and thick at this time of the year, and the weather is very warm, there will be some of your birds die in the weeds. They will soon decay and be full of maggots, the other birds find and eat them and this causes what is known as ptomaine poisoning. The poison is in the maggots, but remember that all maggots do not contain this poison. After the birds get a good dose of these germs, which are full of poison, they begin to get sick and it is only a short time until they have limberneck. This is where the disease first took its name, for the neck is surely limber.

When this trouble breaks out in your flock it is best to cut all weeds and make a thorough search for the decayed body. Still better, catch all the other birds up and keep them penned until it has time to get away, usually a week will be long enough for the decayed body to disappear. It is very hard to locate the dead bodies, especially where the birds have free range, and you might find one or two and still there would possibly be more left to infect the rest of your flock if allowed to run over the same territory. When the trouble breaks out the best thing to do is to place the entire flock in yards and keep them there.

The symptoms of limberneck are as follows: The bird will stand in a stupid position and will have no energy to move around and follow the rest of the flock, but will try to isolate itself into some dark corner and will hold its neck in an arched position with the crown of its head resting on the arch between its feet. In advanced stages of the attack they will have convulsions and work the neck into many different positions, and the neck is surely limber as the name indicates.

In treating limberneck the best thing that can be done is prevention—that is, stop any further spread of the dreaded trouble. As a general thing, after you discover the disease, the birds will be so far gone that treatment will be of little benefit and it is hardly worth the time and expense required to treat them. But if you wish to treat them, you can do so by giving them a small dose of oil of turpentine and sweet oil, equal parts. This will be found very good in mild attacks in throwing off the poison; in thirty minutes after you give the above, give them some sweet milk to drink to which a little ginger has been added. If they are not able to drink this you can feed it with a spoon. Keep the bird in a good warm coop; when you see the bird is improving, feed only soft food and give something as a tonic, and nothing will be better than beef tea or ten drops of nux vomica in a quart of water. Hypo-sulphate of soda, one ounce to every gallon of water, will in some cases prevent and cure all mild cases. Give this to the flock after you have them confined in the small yards.

—J. GAYLORD BLAIR, Carlisle, Ky.

Eat some of the eggs yourself. If they are worth money to anybody, they are to you.

Care and Food for the Young Turkey

By MRS. J. C. SHOFNER, Mulberry, Tenn., Judge of Turkey Department of the Appalachian Exposition Poultry Show, Knoxville, Sept. 25 to 30



HIS subject has been written on by me several times in the life of THE INDUSTRIOUS HEN; nevertheless, her readers have continually insisted upon my giving special attention—sometimes months before the time for turkeys to hatch. To write each a personal letter requires considerable time, and again, each season to remind those who already have read my plan, is good, as they may have forgotten some things that should be kept before them.

A very important reminder is healthy breeding stock. One cannot expect to get healthy, vigorous poults from weak, unhealthy parents. Another important thing, do not mate too many hens to one male. Ten hens in one pen is enough with a strong, vigorous tom. Now that we have our healthy stock mated properly, we may expect strong, healthy poults—if eggs are gathered daily and not allowed to get chilled or

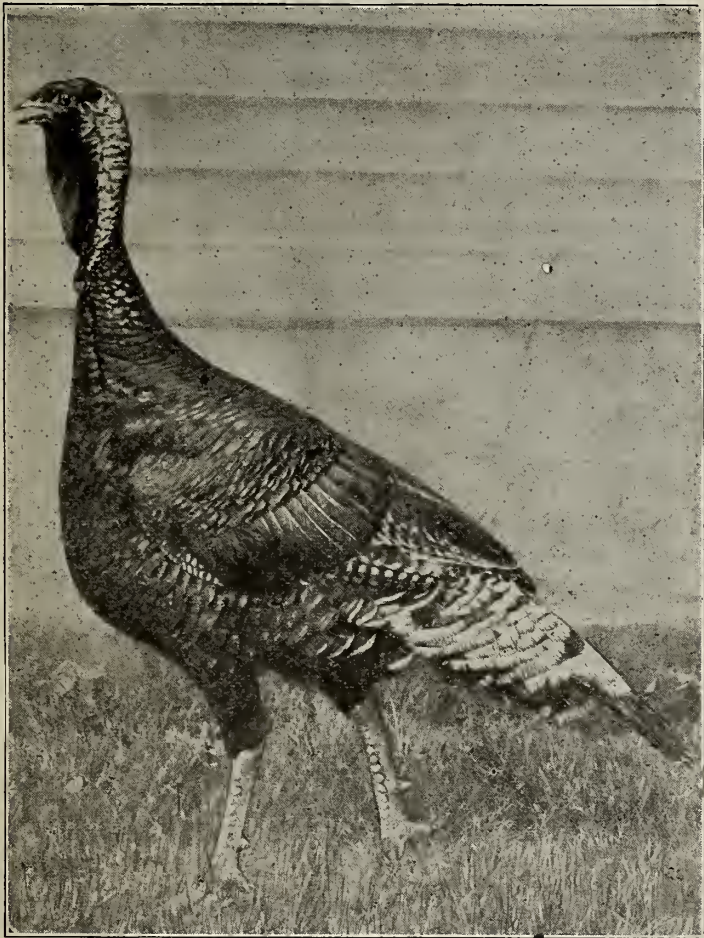
hens at the same time, that a nice lot may come off at once. When they begin to hatch, I notice whether the hen seems to be nervous or not, and if she is quiet, I leave her alone; but if she appears to be restless, I put a glove on my hand and gently slip the baby turks out into a basket lined with a warm cloth to prevent chilling, and keep them by the fire until hatch is over. Take all the turkeys from the chicken hens, and after dusting each little one with a good insect powder, and giving mother turkey a thorough dusting likewise, I put the babies and mother in a board coop about 10 x 12 feet square and board about 12 or 15 inches high, to prevent the little ones from wandering off from mother until they have learned her call or "baby talk." We should not put more than twenty-five with one hen, as that is as many as she can keep warm when hovered, and I really believe we would raise a larger per cent of the young hatched if she had fewer to care for.

After placing them in pen, and pen on a sunny, grassy slope, I place before them their first meal, then forty-eight to fifty hours old, a hard boiled egg, chopped with onion tops, lettuce leaves, dandelion leaves, or pepper-grass, chopped fine for green food. Over this I sprinkle a little ground black pepper and ground charcoal on a bank of sand, or if sand is not convenient, I use small chick grit in pen near the food. Sometimes I beat up old broken crockery fine and put it before them. They must have something in their gizzard to grind the food and aid digestion; without grit of some kind they soon eat themselves so full that a fermentation sets up and we wonder what has gone wrong. One egg to twenty-five turks is a sufficiency for one ration, and I would say a single handful of green stuff. They should be fed three times a day as long as they are confined, which should be four or five days, if weather is pleasant, and if cold and rainy, a dry house or portable coop should be provided, and coop moved a few feet every day away from where they roost, as a turkey's nature is cleanliness and pure air. If weather is fine, I let them begin their natural rambles for insects and tender grasses for a few hours each day, after dew is off, and drive them in before evening dews begin to fall. After they are out on the range for a week or ten days I begin feeding more wholesome food of sweet milk with stale bread crumbs soaked in it, with my ground pepper and charcoal over it. Drain milk all off that it may not be sloppy. They relish this for their supper very much.

I have not mentioned water. While confined in the coop they drink a great deal, and it should be in a shallow pan with small pebbles in it to prevent them from getting wet, as a thorough wetting and chill often causes death. At two weeks old I add cottage cheese, made of the waste milk. This is made by letting milk clabber and then heat until the whey will separate from the cheese, then drain off whey and you will have a crumbly nice food, which they relish very much; but if allowed to, they will eat too much, and cause indigestion, and care should be taken in feeding it. More young turkeys and chicks are killed by kindness and over-feeding than the lack of it, and when digestion is overstocked, the liver gets torpid and the whole machine is out of order. After poults are a month old and are traveling miles each day and are full of insects they need a nice supper to induce their return home each evening, and see that they are safe in a nice large coop with gauze wire doors to let in plenty of fresh air and keep out all intruders.

The entire flock should be dusted for lice at least every ten days or two weeks, and especially do I find it very necessary to dust in between wing quills and under wings, for the small white lice, that suck the life blood and vitality from the healthiest, finest flocks. Care to prevent disease, with cleanliness and proper feeding insures a flock by 'Thanksgiving' that one will feel rewarded for his few months work. I prefer the Mammoth Bronze, because of their immense size and weight, giving more money for most pounds on the market, and costing no more to raise than smaller breeds.

(The above article has been in type for two months and crowded out of previous issues, but we deem it such a good all-round turkey article, and the fact that many young poults are just now at a dangerous age, that we are giving it to our readers now, though a little late.—EDITOR.)



SOUTHERN PRINCE

First Prize Winner. Weight 50 pounds at 19 months.
Score 97½ points

be too long in one position. Before incubation they should be turned every day or so, and kept in a moderately cool place to prevent the life germ from growing and dying. There are a number of people who do not know a fertile egg from an egg with a stale or dead germ. A fertile egg never mixes the yolk and white after three or four weeks incubation; while a fertile egg that was stale before incubation, or has suffered from improper care during incubation, will get thin and watery with bad odor, many times forming gas, causing shell to burst and befoul the nest and remaining eggs. In such cases the nest should be cleaned up and eggs washed clean and dried as quickly as possible, not allowing eggs to remain in the tepid water any longer than the work can be accomplished.

I usually set two or three turkey hens and several chicken

THE INDUSTRIOUS HEN

AND

TENNESSEE POULTRY JOURNAL

DEVOTED TO EVERY INTEREST OF THE

Commercial and Fancy Poultryman

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S. B. NEWMAN & Co. Publishers

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Correspondence Solicited

Express Rates on Eggs Reduced

THE interstate commerce commission has handed down a decision in the case of Franklin, Stiles & Franklin, grocers of Birmingham, Ala., against the Southern Express Co., in which it was held that the rate of 47 cents per case on eggs from Pulaski, Tenn., to Birmingham, is unreasonable in that it exceeds the former rate of 36 cents per case. The express company is ordered to restore the 36 cent rate, and refund complainants all charges in excess thereof since the 47 cent rate went into effect.

This case was tried before the commission about a year ago. The rate was assailed on the grounds of unreasonableness, and that contention has been sustained. Hereafter the old rate of 36 cents per case from Pulaski, one of the largest egg markets in Tennessee, will be charged. It is the first case of the kind decided by the commission and indicates what may be expected in the near future from the adjustment of express rates throughout this southern territory. At present the commission is investigating the tariff charges of all express companies, and the case in question will, no doubt, serve as a precedent in other like cases which may be filed in the future.

When it is considered that hundreds of cases of eggs are shipped monthly from Tennessee points, and this decision makes a reduction of 22 per cent. in the cost, it will be seen that not only will the benefit of lower cost be felt by the dealers, but the consumers will also profit by a lower price.

Vigor in the Breeding Stock

BREEDING from stock without vigor will cause the offspring to be weaklings, to say nothing of other risks a breeder runs for the sake of prolificacy or some other consideration. On this question, Mr. W. M. Elkinton says in *Feathered Life*: "This season has tried the youngsters pretty severely, and that bitter spell of weather during the early months and the hot weather later on has thinned the weaklings and revealed the errors of breeding from immature stock. This is one of the commonest mistakes made in these days of hurry and bustle. We do not pay near enough attention to the vigor of our breeding stock, and consequently we endure the pain and disappointment of seeing our young chickens dwindle in number, and finally our flock is gone."

Georgia State Branch, A. P. A.

GEOORGIA now has a State branch of the American Poultry Association. The officers are as follows: President, F. J. Marshall; first vice-president, Dr. W. C. Cleckley; second vice-president, Julian McCamy; secretary and treasurer, C. O. Harwell; directors, J. H. Porter, R. S. Guess, John Low Smith, W. A. Herman, H. H. Verdery and C. W. Fowler.

Georgia wants the 1912 convention of the American Poultry Association, and with the co-operation of every member of the American Poultry Association, together with the combined efforts of the associations throughout the state, they believe they will have no trouble in securing same.

The vote for officers of the Georgia State branch was as follows: For President—F. J. Marshall, 20; Loring Brown, 1; Julian McCamy, 1; Dr. W. C. Cleckley, 1. First Vice-President—Dr. W. C. Cleckley, 21; F. J. Marshall, 1; J. Miller Walker, 1. Second Vice-President—Julian McCamy, 22; W. A. Herman, 1. For Directors—J. H. Porter, 20; R. S. Guess, 20; John Low Smith, 18; W. A. Herman, 17; H. H. Verdery, 17; C. W. Fowler, 16; J. Miller Walker, 15; H. A. Kuhns, 12; F. J. Marshall, 1; Julian McCamy, 1; Alf Bertling, 1.

The next meeting of the American Poultry Association should be held in the South. The growth in membership in the Southern states during the past year or two has been rapid, and we believe the association would do well to hold its 1912 meeting in the land of sunshine and flowers.

Shades of Ananias and Sapphira

RIDING on the wings of truth (?) the following story comes to us from Glenville, New York:

"The White Leghorn hen owned by John Grohan of Glenville, which a few weeks ago followed him to therolley car to pay his fare with a nickel he had forgotten, has again proven her devotion to her master.

"The other day Grohan enjoyed a half holiday and he started to build a small chicken coop. The hen stood by and watched him pick up the nails and drive them home. After he had picked up half a dozen the hen walked over and picked up one with her beak and dropped it in his hand. This was simple, and Grohan was getting along well with his job when he smashed his finger.

"With this handicap he couldn't hold the nails. The hen, seeing that something was wrong, held a nail in her beak. Grohan placed the hen's head near the board and with a gentle tap started the nail, and the hen then picked up another nail. After that the hen held the nails against the boards and Grohan drove them home and the coop was soon complete."

Alabama State Branch, A. P. A.

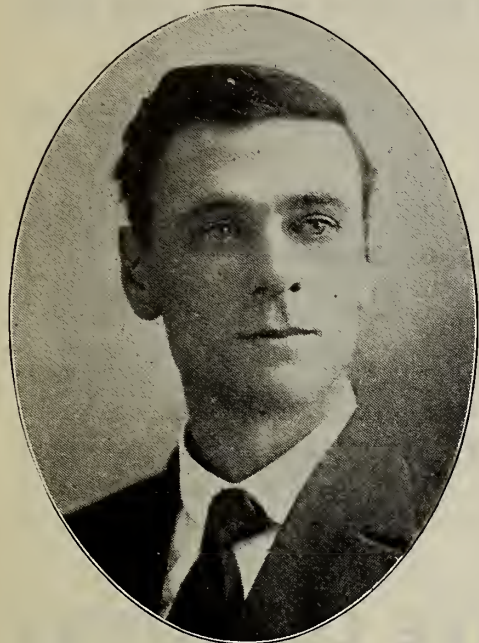
MRS. FLORENCE FORBES, of New Decatur, Ala., a well-known poultry woman who has been instrumental in the organization of the Alabama branch of the American Poultry Association, has been elected secretary-treasurer of the Alabama branch unanimously. The officers of the branch besides Mrs. Forbes are: President, Frank W. Webster, Huntsville; first vice-president, C. H. Dozier, Marion; second vice-president, L. K. Terrell, Birmingham; executive board, Col. S. Y. Wert, Decatur. Chairman; Horace Layman, Huntsville; A. H. Sturtevant, Kushla; W. H. Hofferbert, Gadsden; Dr. J. P. Haley, Marion. Mrs. Forbes spent no small amount of time and money in the organization of this branch of the American Poultry Association. She visited Birmingham, Huntsville and a number of other cities and towns in that state getting the poultry raisers interested.

IN GOING through our stock of books, we find that we have just thirteen copies of that splendid book, "Minorcas of Every Comb and Color," by Northup.

We have decided to give these books absolutely free to old or new subscribers to this magazine. To each of the first thirteen persons sending us one dollar for a three-year's subscription to THE INDUSTRIOUS HEN, either for yourself or for a friend, we will send a copy of the book, all charges prepaid. Or you may send us one dollar to pay for three subscriptions for one year and we will send you a copy of the book free. "Minorcas of Every Comb and Color" was written by Mr. Geo. H. Northup, one of the foremost authorities on Minorcas this country has ever known. The book sells regularly at fifty cents, and should be in the hands of every Minorca breeder. Order at once, as this offer will be withdrawn when the present supply is exhausted.

Newly Elected Officers of A. P. A.

WE PUBLISHED a result of the election in our May issue. In the June issue of the *American Poultry World*, editor Grant M. Curtis has the following to say of the new officers, which it gives us pleasure to reproduce, for this is President Hicks' home, and where he is honored and loved by all who know him. That he will fulfill the expectations of his thousands of friends throughout the membership of the American Poultry Association there is no



REESE V. HICKS.

doubt, and that he will not only have the loyal support of his vice-presidents, but of the poultry press and the membership in general there is also no question. Secretary Campbell is more responsible for the upbuilding of the association during the last two years than any ten men in it, and with the co-operation of another who will make Secretary Campbell a worthy co-worker, we may look for strides in the organization that will always stand out as criterions in its progress. The *American Poultry World* says:

"A. P. W. believes that the membership of the American Poultry Association is to be heartily congratulated on its selection of new officers. We believe that the just and wise course was pursued in electing Mr. Hicks, and we are confident that the newly-elected president will be actively and capably assisted in his important work by Vice-Presidents elect Hopper and Audigier and by the new Executive Board members, Messrs. Bryant, Hemenway and Collier. It goes without saying that Secretary Campbell will do his full share—every day as it passes proves the value of his work.

"Our first knowledge of Mr. Hicks was during the period in 1906-1907, when, as president of the association, with the loyal help of other members, we were striving to put new life and real "go" into an organization that for years had been conspicuous chiefly on two accounts—age and inactivity. At that time Mr. Hicks was located in the South, as editor of THE INDUSTRIOUS HEN, Knoxville, Tenn., and the first awakening of Southern territory to the importance and possibilities of the A. P. A. as an organization of earnest, progressive men and women devoted to the advancement of the poultry industry throughout the United States and Canada, was largely due to his individual efforts. Mr. Hicks worked faithfully at this task at a time when it was far harder to show results than is the case today, four years later.

"At that time Mr. Hicks wrote us letter after letter and spent his time and personal funds in securing the co-operation of the most enterprising friends of poultry culture south of the Ohio River—in securing new members and in preparing the ground for branch organization and the multiplying of members later on. Mr. Hicks is a natural organizer. So is S. T. Campbell, and with these two men serving the A. P. A. as president and secretary, we may safely look for new records in membership increase—and new members are still very much in demand. During the last four years, no man in the association has done more than Mr. Hicks to help swell the membership roll—in fact we do not think that any man, outside the secretary, has done as much.

"But helping to get new members, while highly important, is only a small part of the work now demanding attention. We believe we know where Mr. Hicks stands on most of the live questions that are now calling for solution—for active, progressive work on the part of organized poultrymen, at the hands of the American Poultry Association and its associate members, and we feel assured that the newly elected president will give a good account of himself, will make a record worthy of the cause and worthy of the man.

"Of one thing all members of the association and all friends of poultry culture may feel certain: We have in President-elect Hicks a worker, a "hustler," and in his further efforts for the development of the standard-bred poultry industry he can count on the sincere best wishes of thousands

of earnest men and women, north, south, east and west. Permit us to say that *American Poultry World* and its working force will gladly do all they can to help the newly-elected officers of the American Poultry Association make the administration of President Hicks a memorable success."

Pleasantries from Judge Drevenstedt

FROM Judge Drevenstedt's page in the *American Stock Keeper*, we clip the following, which will be read with pleasure by thousands of our readers who attended the big poultry show last year:

"William C. Denny is going to the Southland this fall to judge. Manager Audigier has lassoed "Bill" for the big Appalachian Show to be held at Knoxville, September 25 to 30, to judge some of the big classes. Judge Denny will find Orpingtons by the hundreds there, but he will enjoy the judging and the hospitality down in that charming country, for exhibitors and judges are treated most royally by the management of that down to date exposition. Doctor Wittman will be missed at Knoxville, especially in the Leghorn alley and on the lecture platform. But the doctor has to judge at the Trenton Interstate Fair this fall on the same dates as the Appalachian."

Oh! that mine eyes might closed be
To what concerns me not to see;
That deafness might possess mine ear
To what concerns me not to hear;
That truth my tongue might always tie
From ever speaking foolishly.

—THOMAS ELWOOD, in 1639.

Unavailable Contributions

NCESSITY knows no law, and it is as much a fact in speaking of the many contributions sent to the poultry press, as in anything else. The principle upon which articles are accepted and rejected is hinged on the word "Available." Because a contributor's article does not appear does not mean that it is lacking in thought, or the expression is imperfect. In discussing the availability of a contribution, the *Successful Poultry Journal* says:

"A contribution may be unavailable because the subject has been recently discussed in these columns, and therefore would be but a repetition of ideas recently set forth in detail. Or it may be unavailable because in the same mail has arrived another article discussing the same topic more fully or more attractively. Or it may be unavailable because it is untimely, discussing in June a subject that ought to have been discussed in January, or treating upon a topic that has ceased to be of interest. Unavailability may be also due to the selection of a topic foreign to the purposes of the journal, valuable in itself and worthy of a prominent place in some other publication. Unavailability is a veritable Proteus, having a thousand forms, but in whatever form it appears uttering an imperative command to reject the contribution."

Will They be Admitted?

Dr. T. H. Cox of Oneida county, New York, after nine years has perfected a breed of fowls he has named "Romohawks," and will seek to have them admitted to the Standard. In speaking of them, the *New England Poultry Journal* says: "This breed is said to have been perfected from a cross of a Black Minorca cock on a Light Brahma hen, the product mated to Black Sumatra game. The bird is characterized by yellow legs and skin, white ear lobes and dark mottled bronze in color of feather. Hens weigh six pounds dressed; cocks, eight pounds. Twelve fowls averaged from 225 to 230 eggs each per year, and it gives promise of being a fine utility breed."

Thank You, Brother

The *American Poultry Journal*, Chicago, says:

"From the way the breeders are supporting the Southern papers and the manner in which the new Southern journals are coming to the front, we must again congratulate the South."

I. K. Felch says utility must not be forgotten. No breed that fails in practical points can long stand well in popularity. And the practical points are: Great productiveness in eggs, even colored, even shaped, generous sized eggs, and the greatest possible increase of weight for food consumed.

FLOTSAM and JETSAM

By The Associate Editor

Said the old, exclusively corn-fed hen, "I wonder why the boss don't try a mash on me?"

The farms of Indiana produced over 72,000,000 dozen eggs, valued at over \$12,000,000 in 1910.

W. E. Crissey, a Fort Smith, Ark., poultryman, is the inventor of an electric incubator that is proving a great success.

Mrs. E. W. Griffin, Marvell, Ark., breeder of Rhode Island Reds, has been very successful with that variety. She is also raising M. B. Turkeys.

Ohio poultrymen are jubilant over the fact that the last legislature appropriated \$10,000 for a Poultry Department at the Ohio State College of Agriculture at Columbus.

Mr. J. M. Norfleet, of Tarboro, N. C., received 316 eggs from fifteen Rhode Island Red hens during the month of March, an average of more than 21 eggs per hen.

Oklahoma now produces about \$5,000,000 worth of poultry and eggs annually, and it is predicted that the out-put will be increased fully 100 per cent within the next three years.

Charles T. Cornman, Carlisle, Pa.; Ben S. Myers, Crawfordsville, Ind., and C. H. Shayler, of Lee, Mass., have been secured to place the ribbons at the Atlanta show in January.

Josh Wise says: "Tabitha Fridemush says that stunt of Mrs. Astor's—leadin' a peacock inter a ballroom—ain't much. She's kept ducks in th' house fer, law, these many years."—Ex.

Some one, who ought to be rewarded for veracity, has said that "the poultry raiser who is too lazy to keep his poultry house absolutely free from vermin does not deserve success nor will he have it."

Dr. A. A. Brigham, of the College of Agriculture, Brookings, S. D., and a member of the editorial staff of this magazine, is a member of the advisory board of the Philadelphia North American International Egg-Laying Contest.

The Texas Department of Agriculture reports that Mrs. J. F. Price, of Amarillo, Tex., started with 100 hens. During the first six months of 1909 she sold eggs that brought \$215. On August 18 she had 200 young chickens of frying size, for which she was offered \$5 and \$6 a dozen at her home town.

Mr. E. Hastings, of Glass, is the possessor of a hen of common breed, which on last Thursday laid three full size eggs. The hen is about five years old. Mr. Hastings is a truthful man, but he is willing to make oath to the above fact if any doubting Thomases should arise. —Concord (N. C.) Tribune.

Mrs. Mary Brent Smith, mother of Gov. Hoke Smith, president of the recently organized Southern International

WOLFE'S REDS LEAD THE WORLD

HALF PRICE now for all eggs. Get eggs from our famous hens, "Polly," First Providence, First Frankfort, First Knoxville, First Cleveland, etc., and First Ogdensburg Cockerel, 1908, at half price, and raise some \$100 Reds. **BREEDING STOCK** for sale at a bargain in pairs, trios or pens. Baby chicks and older chicks from all matings at fair prices. Send for mating list and prices on birds. **CLINCHFIELD POULTRY YARDS,** Rogersville, Tennessee. George L. Wolfe, Proprietor

Ferguson's Wyandotte Yards

NEW MIDDLETON, TENN.

Eggs only for sale from one of the best strains of **White Wyandottes** and **Silver Wyandottes** in the U. S. A. Eggs, \$1.50 per setting.

CAMPBELL'S HIGH-SCORING EXHIBITION**Single Comb BUFF LECHORNS**

always in the lead as Blue Ribbon Winners wherever shown. At the great Appalachian Exposition, Knoxville, Tenn., won eleven ribbons on seven entries, including specials for shape and color, also silver medal and diploma for best cockerel in Mediterranean class.

—WRITE FOR MATING LIST—

MRS. C. B. CAMPBELL, Asheville, N. C.

Member and State Vice-Pres. American Buff Leghorn Club. Sec'y of N. C. Branch A. P. A.

Allison's S. C. WHITE LECHORNS

I now have my pens mated up and am prepared to furnish eggs from my prize-winning and bred-to-lay stock. I am selling eggs at \$2.50 per setting from a pen in which every bird is a prize winner. Others as cheap as \$1.00 per setting. My birds have won at Louisville, Kentucky State Fair and Chicago. Incubator eggs, \$6 and \$10 per 100. I guarantee satisfaction. Write me. **THOS. S. ALLISON, 28th and Seven Streets, LOUISVILLE, KY.**

Do You Know J. A. Thornhill?

He breeds quality Single Comb Brown Leghorns and Rhode Island

Reds. A few cockerels for sale. Eggs \$1.50 and \$3.00

per 15; \$6.00 and \$8.00 per 100.

THORNHILL'S POULTRY FARM, Hartselle, Ala.**Prize-Winning S. C. Buff Orpingtons**

Eggs half price the balance of the season. I will also offer a cock bird, winner of three first prizes, and seventeen fine one-year-old pullets, some of them prize winners, for sale at a reduced price, to make room for young stock.

G. B. MOORHEAD : Lynchburg, Tennessee**THE REASON THE LEADING POULTRY PRODUCERS USE SIXEAS' FAMOUS LICE POWDERS**

Is that they are so easily applied and a single application will exterminate all lice and mites on turkeys, chickens and stock, purify the coops and make them germless and keep the fowls free from the ravages of roup, cholera and gapes. Sold by

GEO. SIXEAS : : New Castle, Va.
Reliable agents wanted. Price 25 cents per can by mail

Frank's S. C. R. I. Reds

Memphis, 1911—1st cockerel, 2d hen, 3d pullet, 4th pen; 1910 2d cock. Nashville, 1910—1st cockerel, and best in show, 2d and 3d cock, 2d and 4th hen, 4th pen; 1911, 2d and 4th cockerel, 4th pen. Eggs, \$2.00, \$5.00 and \$10.00.

JAMES M. FRANK Cherry, near Church Nashville, Tenn.

Poultry Association, died at her home in Atlanta June 21, at the age of 77 years. She was a devout member of the Episcopal Church, and an earnest worker in religious and charitable affairs.

The editor of this department learns with regret of the sudden death of Mr. John Ringwalt, proprietor of Lakeholm Farms, Mount Vernon, Ohio, which occurred late in June. Mr. Ringwalt was a successful breeder of S. C. White Leghorns, and was a patron of our advertising columns. We have not been apprised of the cause of his death.

The Southern Poultry and Egg Shippers in session at Nashville recently, elected the following officers: O. P. Barry, Alexandria, Tenn., president; S. Cristol, Bowling Green, Ky., vice-president; J. J. Naive, Nashville, secretary; Norman I. Taylor, Burnside, Ky., treasurer; S. H. Grinstead, Louisville, Ky., chairman of the executive committee.

Harry Robinson, a chicken fancier of Gloucester, N. J., has four chickens that are curiosities. They are styled "rubber-necks." The neck, from the beak to the body, is bare of feathers. The report says the freaks are able to stretch their necks to a remarkable degree. Thus the contention of some people that chickens are not unlike humans receives new emphasis.

"Are you the defendant?" asked a man in the courtroom, speaking to an old negro.

"No, boss," was the reply. "I ain't done nothin' to be called names like that. I've got a lawyer here—he does the defending."

"Then who are you?"

"It's the gemmun what stole the chickens."

Miss Flora McKelway, of Lickville, S. C., has 70 Barred Rock hens and late pullets, and reports a good record this year. She says: "Since Jan. 1, 1911, I have collected 4,413 eggs from them and they have had only ordinary care. During March, with ten or more hens sitting or going with chicks, I got 1,260 eggs, and in April 1,136 eggs. These chickens are yarded all the time."

The Oklahoma state branch of the American Poultry Association has elected the following officers: President, Hon. Chas. F. Barrett, Shawnee; vice-president, Geo. H. Hinds, Westville; members executive committee, C. L. Bickerdyke, Wakita; Fred Pfaff, Ardmore; H. J. Kester, Enid; F. W. Hitchcock, Oklahoma City; C. C. Hawk, Shawnee; Robt. Bretz, El Reno.

E. F. Anderson, of Clinton, Miss., has recently purchased from Oscar E. Miles, of Columbus, Ohio, eleven Rhode Island Reds for \$600 cash. This was at the rate of \$9.00 per pound. A one-year-old cockerel brought \$150, a three-year-old cock bird \$100, five hens \$50 each and four pullets \$25 each, making a total of \$600 for the eleven birds. Mr. Anderson is cashier of a bank in Clinton.

Mrs. M. L. Allison, of Shelbyville, Tenn., from 125 hens has had the following results: From Feb. 1 to June 1, sold 551 dozen eggs; set over 30 dozen; used eggs every day three times a day for table use and cooking. Of these 125

Continued on Page 57.


Cuts of Quality


OLD PHONE 1612

Commercial Engraving Co.

L.A. WILLIAMS, Proprietor
HALF TONES ZINC ETCHINGS
DESIGNING ILLUSTRATION
COLOR PLATES

604 1/2 GAY STREET KNOXVILLE, TENN.

*A Poor Cut is Expensive at any price. Give us your order and accept
 NOTHING BUT THE BEST.*



HARP'S CHICK Water and Feed Founts

Save the little chicks from drowning. Keep the little chicks growing. 15c Each; 6 for 85c; \$1.60 per Dozen. Postage 5c each extra. Special offers to Supply Dealers.

HARP-JOHNSON CO.
 Box 356 : : Lexington, Ky.

Dozier's Famous Barred Rocks

Best in the South. No stock for sale—sold out. Will begin to sell this year's breeders after May 1st. Eggs for Hatching—\$3 and \$5 per 15 up to May 1st; no eggs for sale after that date. Write for booklet. :- :- :- :- :-

C. H. DOZIER & SON : Marion, Alabama

HARP'S ORPINGTONS

SINGLE COMB BUFF

Prize winners at Kentucky State Fair; Tennessee State Fair, Nashville, Tenn.; Appalachian Exposition, Knoxville, Tenn.; Kentucky State Show, Lexington, Jan. 1911.

ROGER V. HARP : Short Street, Lexington, Ky.
MATING LIST FOR THE ASKING

S. C. WHITE LEGHORNS

Did you know there is no strain that will excel the "PIEDMONT STRAIN" of S. C. WHITE LEGHORNS? If you want winners and heavy layers, send us your orders; we are the originators. Eggs \$1.50 to \$10 per 15; \$6, \$10 and \$25 per 100.

TURLEY & SCOBEE, Box A, Mt. Sterling, Ky.

SMILEY'S SPECIAL HOUDANS

75 One Year Old Hens, all laying, \$1.25 each
 These Hens are standard in all sections

T. B. SMILEY : Matthews, Ind.

APPALACHIAN EXPOSITION, KNOXVILLE, SEPT. 11, OCT. 1, 1911

MAIN ENTRANCE

CONVENTION HALL

ROLLER COASTER

FORESTRY AND MINERALS

 APPALACHIAN EXPOSITION GROUNDS,
AS VIEWED FROM STADIUM
MAIN BUILDING
MIDWAY JUNGLES


FIREWORKS AND STADIUM

STREET RAILWAY

CAFE

MARBLE BAND STAND

WOMAN'S BUILDING

AN EXPOSITION of exploitation and development of the wonderful resources of the great Appalachian territory, in celebration of the protection of the forests and watersheds and the establishment of the Appalachian Park Reserve, is the purpose of this great event to be held in Knoxville, Tennessee, Sept. 11 to 30, 1911.

Knoxville, by virtue of her geographical location, is the natural gateway to the Appalachian Park of hundreds of thousands of acres, now being developed by the government. For the protection of the forests and the watersheds in this territory, millions of dollars are being expended in this, one of the government's many achievements. Millions of feet of lumber are being ruthlessly destroyed by forest fires and lumbermen, and thousands of acres of land allowed to wash and corrode, that by proper care would be among the most valuable for cultivation. This Exposition Company was organized for the purpose of assisting in this great movement of reclamation and restoration, and in further bringing to the attention of the world the vast resources and possibilities of this region. This great Appalachian

territory is the most varied, the most resourceful, and the most beautiful and healthful of any like section in the United States. It is traversed by the richest mountain ranges, whose very summits and gorges groan with the burden of hardwood timber, enough to supply the factories of the East for hundreds of years. The deposits of coal, marble, iron, copper, zinc, and other minerals are in abundance, and all of these here mentioned are being successfully worked and shipped to all parts of the world. Our marble and coal more especially enter the leading markets of America and Europe.

Aside from our timber and mineral developments, are our live stock and agricultural interests, and a visit to the Appalachian Exposition in September would go further to convince than pages that I could write. The live stock, poultry and agricultural exhibits last year were pronounced by many as unequalled in the South. This year great improvements are being made and the entire exhibit will excel that of last year very appreciably.

The large and handsome Poultry and Live Stock Building was designed especially for the display of poultry, and

has been declared by such men as Judges Drevensedt and Wittman as being the best adapted building for a poultry show they have ever seen. It stands on an eminence, is 150 x 140 feet, with four large double doors on either side, and three rows of windows on the triple hip roof, around the entire structure. It has a dirt floor, covered with saw dust, and is ideally lighted and ventilated. This building will accommodate easily over 3,000 birds and the next show, it is thought, will tax it to its limit. Last year exhibits were made from many of the Northern and Eastern states and from nearly all the Southern and from every Appalachian state in the territory. A better class of birds will be hard to assemble than was shown here, though from the deep interest manifested and the inquiries made, and the statements from those who are coming, it is very evident that the 1911 show will eclipse anything ever seen at this season in the South. Everything is being done as heretofore, to make it high-toned and first-class in every respect. The judges selected, one each from the North, South, East and West, are the best that could be secured, and is of itself a guarantee that justice will be rendered on

every hand, and a square-deal is all any honest exhibitor can ask. Exhibitors appreciate the fact that a winning at the Great Appalachian Exposition Poultry Show under such judges, is worth a great deal towards deciding his future showings for the season, and he is anxious to have his birds classed.

The cash prizes have been increased over last year sixty-six and two-thirds per cent, and many large cash specials, besides a great number of silver cups are proving very alluring to the fancier. The Appalachian Exposition Director's Cup, standing 22 inches without its pedestal, and valued at \$100 will go to the owner of the ten highest scoring birds in the show. Consolation prizes of another hundred dollars are offered for second, third, fourth and fifth winners. A County prize of Fifty Dollars in gold for first and twenty-five dollars for second, is offered to poultry associations in the Appalachian territory (excluding Knox County, Tennessee) entering fifty birds or more, and winning the greatest number of points.

The entry fee will be 50 cents on single birds, \$2.00 per pen, and cash prizes will be paid on single birds \$3.00 to \$1.00, and pens from \$6.00 to \$2.00.

The fact that special individual cash prizes will also be awarded to every state in the territory, and that all premiums will be paid, as last year, before the show closes, is proving very attractive. Awards will be made by comparison.

Arrangements have been made with the Nashville, Tennessee, and the Great Allentown, Pennsylvania, shows to have birds shipped direct to the Appalachian Exposition show. Birds will be released on Friday and Saturday, in ample time to reach Knoxville by Sunday, when all birds will be unpacked and properly cared for. Exhibitors at these shows, however, must have their birds entered here before the close of September 12. The entire show will be cooped and fed by Spratts, which is a guarantee of satisfaction.

An attractive Premium List will be ready about August 1st. Send for a copy whether you intend showing or not, and see how things are done at the Great Appalachian show. The following are the officers of the show:

L. B. Audigier, Manager; John E. Jennings, Secretary; J. C. Vaughan, Superintendent. Executive Committee—J. H. Henderson, Knoxville; John A. Murkin, Nashville; Sam M. Cooper, Fountain

City; J. C. Vaughan, Lebanon; R. P. Williams, Knoxville; M. Jackson, Johnson City; C. W. Henderson, Knoxville; A. J. Lawson, Cleveland; E. H. DePoy, Knoxville; J. A. Dinwiddie, New Market; T. E. McLean, Knoxville; Hugh M. Clark, Maryville.

Entries close midnight, September 12.

BENCH SHOW

In connection with this great Exposition live stock show will be held also the second annual Bench Show under the auspices of the Appalachian Kennel Club, A. K. C. rules. These dates are fixed as September 19 to 21, and as last year will attract some of the best kennels in the country. The Bench Show will be held in the poultry building, which is airy and roomy. The dogs will also be benched and fed by Spratts. Liberal cash and special prizes are offered. A. F. Hockwalt, of Dayton, Ohio, has been employed again this year as judge, and R. E. Gettys as secretary. Dr. David W. Hughes is chairman of the committee, with Wm. A. Brady as superintendent.

Premium list will be issued about the 15th of August. For further information, write Dr. David W. Hughes, chairman, or R. E. Gettys, secretary, Knoxville, Tennessee.



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SITE OF PROPOSED STATE BUILDING

MAIN EXHIBIT BUILDING

LIVE STOCK AND POULTRY BUILDING

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A WONDERFUL INVENTION
CLARK'S DOUBLE ACTION COMBINED CULTIVATOR AND HARROW, can be used to cultivate crops in rows, as a Listing Harrow, and when closed together is a Disk Harrow cutting 4½ feet wide. Drawn by two medium horses. Jointed pole. Perfect centre draft. A labor saver. Send today for **FREE Booklet**.
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Strain
**Columbian
Wyandottes**

**Eggs
Half
Price**

T. REID PARRISH
LICENSED JUDGE

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FOR SALE Fine old country-cured Hams, Lard and Bacon. Write for delivered price.
J. E. HARRIS
109 W. Jackson Avenue KNOXVILLE, TENN

BANTAMS BUFF COCHIN and GOLDEN SEABRIGHT
93 ribbons on 98 entries for 1909 and 1910 at Nashville, Memphis, Birmingham, St. Louis and Kansas City. Eggs—\$2.00 per 13.
LEWIS CULPS, Pulaski, Tenn.

BUFF ORPINGTONS
I have birds that will please you. Summer price on eggs from all pens \$2 for 15. Stock for sale.
WEST LAWN POULTRY YARDS, J. C. DENNIE,
51 Gilmore Avenue : Nashville, Tenn.

THE A. P. A. JUNIOR

By Flem Hazen, Jr., Knoxville, Tenn.

Mr. Flem Hazen, Jr., of Knoxville, Tenn., has been appointed secretary-treasurer of the American Poultry Association, Jr., an organization of young members of the poultry fraternity between the ages of ten and twenty-one years. This organization is receiving the endorsement of the American Poultry Association, and will apply for membership in the parent organization. It is our pleasure to commend this organization to the young men of the South, and trust that through its efforts the young men of this section—which nature has so richly endowed with every requisite for successful poultry husbandry—may be awakened to the opportunities offered. The columns of THE INDUSTRIOUS HEN have been opened to the "Juniors," and Mr. Hazen, as a member of the editorial staff, will conduct a department each month in the interests of the organization. The boys should receive the encouragement of every fancier. The boys of today are the men of tomorrow, and much thought should be given the preparation of those who are to mould and guide the destinies of the American Poultry Association when its present pilots,—worthy and true, yet withal human,—have stepped from the stage of action.

In the appointment of Mr. Flem Hazen, Jr., as secretary-treasurer, the honor has fallen upon a young man who is capable and worthy. He has entered upon the work for the work's sake, and with all the enthusiasm of buoyant and expectant youth. Should he receive the support from our Southern fanciers which he has a right to expect, the day is near at hand when the Juniors of this section will claim a preponderance of membership, and the ranks of the parent association will be made rich by the incoming of a prepared and worthy young manhood that will lead us on to greater achievements. —ASSOCIATE EDITOR.

A great many people seem to have the impression that the A. P. A. Jr. is an entirely new association, and running in opposition to the Boys' National Poultry Club. For those, and all other who hold this opinion, we wish to say that the A. P. A. Jr. was formerly known as the B. N. P. C., until a few months ago, when our members decided that the name "A. P. A. Jr." would be far better. We corresponded with a great many of the leading poultrymen, among them being Mr. S. T. Campbell, secretary-treasurer of the American Poultry Association, concerning the change. All heartily agreed that it would be a good thing; and through Mr. Campbell received permission from the American Poultry Association to adopt our new name, A. P. A. Jr.

Under our new name, the fourth annual Year Book has been printed, which is by far the best ever published. In this catalog are many interesting articles written by the members, giving the past, present and future history of the club—outlook for the future—besides useful articles on the care of poultry. Every boy and young man between the ages of 10 and 21 years should by all means have

SOMETHING TO CROW ABOUT
"HEN-E-TA"
ABOUT 30% PURE BONE ASH
NO OTHER BONE NEEDED NO OTHER GRIT NEEDED
NO MORE BONE CUTTERS NEEDED
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S. C. BROWN LEGHORNS

Eggs from prize-winning pens \$1.00 per 15. Hens from my breeding pens for sale \$1.25 to \$1.50 each. This offer includes birds that have won at numerous Virginia 1911 shows. H.C. ADAMS, Lynchburg, Va.

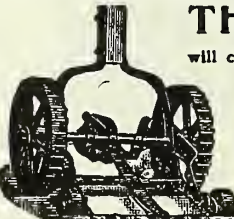
Mrs. Miller's Barred Rocks

Blue Ribbon Winners. Ten years experience in breeding this strain. The best for utility; lays the year around; the fowl for farmer and fancier alike. Don't wait until late in the season; order now and get the choice birds.

C. E. Spaugh, Ruby, Ind., Strain.

MRS. W. P. MILLER, Route 3, Dalton, Ga.

THE CLIPPER
will cut tall grass, short grass and weeds, and do all the trimming along the fences, walks and drives.
If your dealers do not keep them, let us know, and we will send circulars and prices.
Clipper Lawn Mower Co.
Dixon, Illinois.



Brooksville POULTRY YARD

OLON NEFF, PROPRIETOR

A few high-grade Barred Plymouth Rock males and females for sale. The cockerels and pullets have been bred for health and vitality; also for egg-making, as they are from a hen that made me 221 eggs in one year. The sire of this stock is a fine show bird.

Cockerels, each, \$5 and \$7

Pullets, each, \$4 and \$5

Eggs for 15 for hatching, \$4.50

Eight eggs out of 15 guaranteed to hatch. Eggs at \$4.50 per 15 is 30c per egg, and if I fail to have the eggs to replace free of charge, I can return the amt. at 30c per egg, which change is easy to make.

OLON NEFF

BROOKSVILLE, HERNANDO CO., FLA.

Would You Give 50c For a Five Dollar Bill?

Send us 50c in stamps and we will forward by return mail, prepaid, a 300-page illustrated book entitled "Hen and Chicks, or How to Make Money Raising Poultry," that is worth \$5 to any man in the poultry business. It gives facts and figures. No use experimenting all the time. Profit by the other fellow's mistakes. Money returned if not pleased.

Valuable to Every Poultryman

Send 75c and THE INDUSTRIOUS HEN, the leading poultry journal of the South, will be sent for one year with the book.

—ADDRESS—

The Industrious Hen, Knoxville, Tenn.

BALLARD'S BUFF ORPINGTON SALE

THE TIME IS RIPE---DON'T MISS IT

To make room for my one thousand growing, hustling youngsters and to give me quick cash to build more houses, I will sell about half of my choice breeders. Do you need a few good pullets or an extra cockerel? All 1910 hatched. You know the quality. Shipped on approval. Eggs also half price. Your last chance. Get my mating list quick.

W. H. BALLARD

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HOUDAN'S

DR. G. G. BILLMAN

"Worth while." Are you acquainted with MISS HOUDAN? The greatest utility chicken on earth. Send for my catalog today, get posted on them, and you will never regret it. They are coming to the front.

Box H, Evansville, Indiana

QUALITY DUCKS

INDIAN RUNNER DUCK EGGS 12 \$2.00, 100 \$10.00. Ducklings day old, 50c each. Capons, a few on hand. Write for prices, etc.

G. E. VON HOFE, : : Cuthbert, Georgia

Buff Orpingtons, R. I. Reds, Black Minorcas, White Wyandottes, Barred Rocks, B. C. Bantams, White and Brown Leghorns

Highest awards at Jamestown, St. Louis, Memphis, Nashville, Birmingham, Montgomery, Florida, Atlanta, Huntsville and Chattanooga. Eggs, \$2.00 to \$5.00 per 15, from prize winners.

FORBES POULTRY YARDS :-: New Decatur, Ala.

WINNERS GREAT APPALACHIAN EXPOSITION SHOW WILBER'S WORLD'S BEST SINGLE COMB WHITE LEGHORNS, INDIAN RUNNER DUCKS

Blue ribbon winners America's best shows. Hundreds of fine breeding cocks, cockerels, hens, pullets, \$2, \$3, and \$5; extra fine ones \$10. Eggs, \$2, \$3, and \$5 per setting. Special prices on larger lots.

WILBER BROTHERS, Route 4, Box G, Cleveland, Tennessee
1911 Matings Best Yet. Handsome Catalog for Stamp.

"Golden Dragon" BUFF COCHINS ARE STILL ON TOP

At the recent Augusta Show they won the silver cup for the BEST PEN OF ASIATICS For the Second Time. My birds have won some of the most coveted prizes at Madison Square Garden, Indianapolis, Augusta, Asheville, Charlotte and other shows. Season of 1909-10 they won over SEVENTY REGULAR and SPECIAL PRIZES. If you appreciate high-grade stock, it will pay you to write me for prices. They are not low, but are in keeping with the quality of the birds.

C. W. BEST P. O. Box 101G Charlotte, N. C.
Assistant Secretary American Buff Cochin Club Life Member A. P. A.

Send for HOPE'S New Jewelry Catalogue

Profusely illustrated. It's free on request. Shows the very latest ideas in Fine Jewelry, Tennessee Pearl Jewelry, Watches, Gems, Sterling Silver Novelties, Flatware, Hollowware, Library Cut Glass, Pickard China and other fine Gift Wares. Specialty of Silver Loving Cups for Poultry Shows.

WEDDING INVITATIONS, Announcements, Cards, Stationery, richly and correctly engraved in our own plant. Send for samples and prices.

JEWELERS EST. 1868 HOPE BROS. 519 Gay Street KNOXVILLE, TENN.

a copy of this book, which will be cheerfully sent upon request.

There are numerous reasons why every young poultry fancier should be a member of this hustling, wide-awake association. Among them: (1) All members' names and addresses, with variety of fowls they breed, are listed in the Year Book; (2) every member is eligible to compete for club ribbons and specials, which are offered in States with ten or more members; (3) valuable prizes, among them birds, sittings of eggs, subscriptions to poultry papers, etc., are constantly being offered members for securing new members. Many other reasons given in the Year Book.

At present we are raising a subscription of \$10.00 among the members in order to join the American Poultry Association. The amount is growing steadily, and we are working hard to raise the amount in time to join during the convention of the American Poultry Association at Denver in August. When this is done, we will be ranked as one of the leading specialty clubs of America, and no one can question our reliability.

All young poultry fanciers should send for the Year Book at once. A two-cent stamp to cover postage would be appreciated, although it is not necessary. Write for catalogue and further information to Flem Hazen, Jr., secretary-treasurer A. P. A. Jr., Route No. 2, Knoxville, Tenn.

Flotsam and Jetsam

Continued from Page 53.

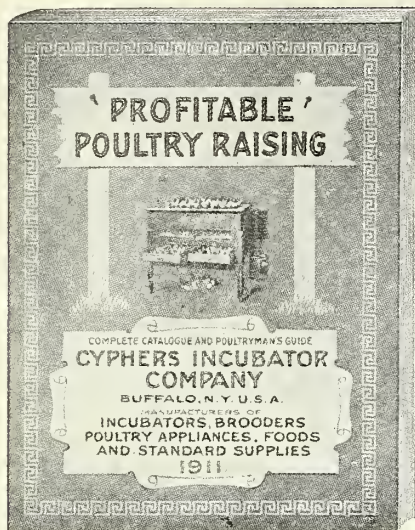
Hens, 21 have raised chickens. Amount of money taken in for eggs, \$10.93. Average per hen, 56 cents; and this with the price of eggs a good deal less than a year ago.

Mr. Reese V. Hicks, of Kansas, was elected president by practically the unanimous vote of all the members who were interested enough to exercise their right of suffrage. Of the 1,092 members voting Mr. Hicks received 1,056 votes. Mr. Hicks is a live wire in every sense of the word, and the association will undoubtedly enjoy a period of unprecedented prosperity under his leadership. —Poultry Topics, Lincoln, Neb.

A report from Mississippi states that northern capitalists are preparing to establish a poultry farm near Hazelhurst, that state, where a thousand acres will be devoted to the enterprise. When the plans are completed this enterprise will be the largest in the country. We have long predicted the advantages of the South in the growing of poultry, and while the South is making rapid strides in this direction already, soon we believe it will be the leader. —The Poultry Yard.

An Atlanta judge has decided that a dog that killed chickens and nothing more was not necessarily vicious, and that owners of poultry must keep their stock penned from the depredations of marauding dogs. A \$75 experience with one of these canine lovers of chicken flesh has convinced us that our charity is not broad enough to cover cases of this kind. A good dog is all right in its place, but when he begins to smack his chops over fine fowl flesh we renig. Certainly if there is such a place as a dog heaven these chicken-killing canines are on the broad road that leads the other way. This being true, who can picture the future that awaits the owners of these animals?

EVERYTHING FOR POULTRY KEEPERS



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for up-to-date, progressive poultrymen and women, ranging from Cyphers Mammoth Compartment Incubators holding 50,000 eggs at one filling down to 10-cent trial packages of Lice Powder, and every article is warranted to be as represented and is guaranteed to give satisfaction or money refunded. Standard goods we manufacture and sell include the following:

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Brooders
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Root Cutters
Nest Eggs
Poultry Books

OUR COMPLETE CATALOGUE FOR 1911

Consists of 212 pages, 7½ x 10 inches, and contains an illustrated description of all goods we manufacture. Tells about freight rates, gives prices, etc. Full of money-making suggestions, helpful facts, instructive pictures, etc. Illustrates and describes our \$40,000 poultry farm—the largest in the world owned and conducted by an Incubator, Brooder and Poultry Supply Company.

THIS BIG CATALOGUE and Poultryman's Guide is FREE postpaid to any address if you will kindly mention that you saw our advertisement in this paper. Note below our six places of business in the United States which insure low freight rates and prompt delivery of goods. Address Home Offices or Branch Store nearest you.

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2325 Broadway

OAKLAND, CAL.
1569 Broadway

Shows and Associations

As Reported by Secretaries

The Tennessee members of the International Ancona Club will compete for the club cup at the Morristown show, to be held Dec. 7-9.

The Jefferson County Poultry Association, Pine Bluff, Ark., will hold its third annual show Nov. 27 to Dec. 2. Charles McClave and H. B. Savage will place the awards.

The poultry enthusiasts of Madison County, Ga., have organized the Madison County Poultry Association, and announce their first annual show on December 12-14.

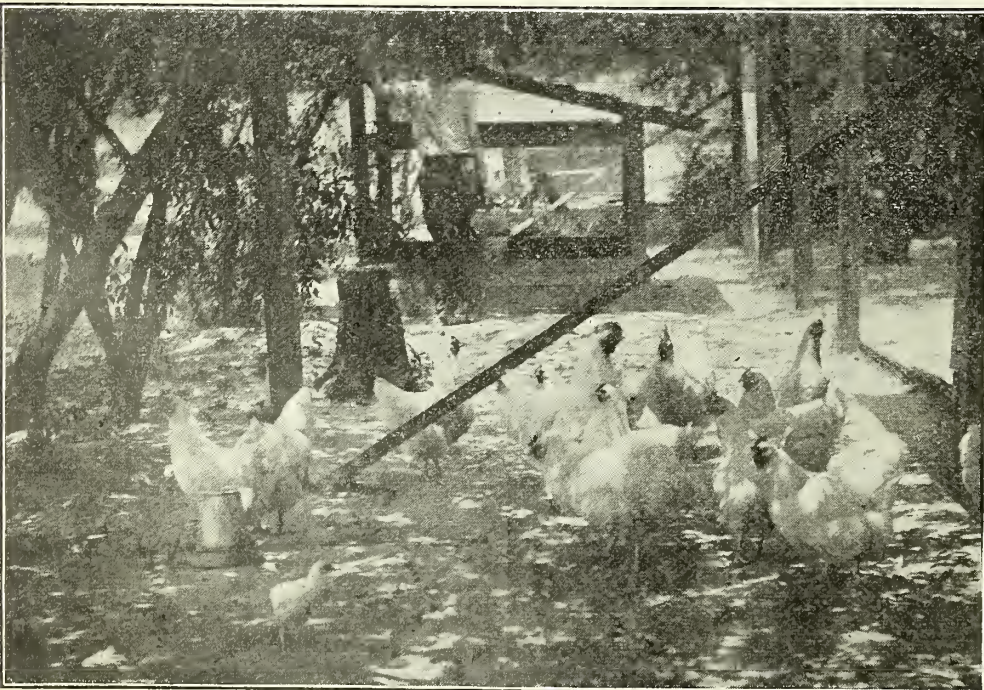
The Central East Texas Poultry Asso-

ciation will hold its third annual show at Lufkin in connection with the Angeline County Fair, Sept. 20-23. Write R. O. Murray, secretary, for anything you may want to know.

The Faulkner County Poultry Association, of Conway, Ark., held an enthusiastic meeting recently with about twenty-five members present, elected officers and laid their plans for a big show to be held some time in November.

Preliminary steps were taken at Fitzgerald, Ga., recently looking toward the organization of the Pen Hill County Poultry Association. It is designed by the promoters that a poultry show be given this fall in connection with the Ben Hill County Agricultural Fair.

The Brazos Valley Poultry Association, Waco, Tex., is sending out quite an interesting letter giving in brief its claims for the meeting of the Texas branch of the A. P. A. with that body



CRYSTAL WHITE ORPINGTONS

Fine Young Stock owned by Bernice Poultry Block, B. mnce, La.



COCKERELS
\$2.00 EACH

Three for \$5.00, Six for \$9.00
From my \$10.00 egg March hatch

I have "BROWN BEAUTY" females which began to lay at 4 months and 10 days old. These Cockerels are ideal for producing early and persistent layers. Place your order to-day.

J. H. HENDERSON, Knoxville, Tenn.
Breeder of Brown Leghorns since 1890

Money in Michigan

Investigate the opportunities that Michigan offers the home-seeker. Each issue of The Fruit Belt describes some section. Send 10 cents for 5 big special numbers. We have no land for sale.

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5 South Iona Street Grand Rapids, Mich.



S. C. RHODE ISLAND REDS
Golden SEBRIGHT BANTAMS
PARTRIDGE WYANDOTTES

Eggs for sale at \$2 to \$3 per 15.
Wyandotte cockerels for sale.

W. R. WILLSON
Route 5, McMinnville, TENN.

BARRETT'S Blue Ribbon Strain Mottled Anconas

Are the kind that win and lay. Also S. C. Rhode Island Reds, White Orpingtons, Indian Runner Ducks and Toulouse Geese. A few choice cockerels and ducks for sale.

L. M. BARRETT, Morristown, Tenn.

BUTTERCUPS, S. C. B. MINORCAS WHITE WYANDOTTES

Eggs balance of season \$1.00 per 15
Young stock for sale Oct. 1st.

J. B. SANDER, Route 6, Paducah, Ky.

at the Cotton Palace Show in November.

The Acworth (Ga.) Poultry Association is among the new organizations in that state. It is the purpose of the association to conduct a poultry show some time this fall. W. D. Parrish was elected president; E. D. Patton, vice-president, and Joe Abbott, secretary-treasurer at a recent meeting.

The Terrell County Poultry Association has been organized at Dawson, Ga., by several of the poultry fanciers at that place. The officers are, K. S. Worthy, president; J. C. Crowell, of Parrott, first vice-president; Mrs. Julia Nasworthy, second vice-president; J. R. Webb, secretary and treasurer.

The premium list of the Indiana State Fair poultry show, to be held at Indianapolis Sept. 4-8, has been received. The judges are, O. L. McCord, Danville, Ill.; W. W. Zike, Morristown, Ind.; and B. M. Owen, Scottsburg, Ind. Entries close August 19, fair opens Sept. 4, and judging begins Tuesday Sept. 5.

The poultrymen of Galveston, Tex., are making big preparations for a real live poultry exhibit during the Cotton Carnival to be held in that city July 29 to August 14. The judging will be by H. B. Savage, of Belton, Tex. Mr. H. B. Selkirk will give all desired information.

At a recent meeting held in Forsyth, Ga., the organization of the Monroe County Poultry Association was perfected. Officers were elected, and the organization will at once begin to wage an aggressive campaign toward bringing about a fuller development of the great poultry possibilities of that section.

The interest manifested in the organization of a poultry association at Winston-Salem, N. C., recently, insures an association for that city second to none in the state, starting with over 100 charter members. The new association will apply for membership in the American Poultry Association and will also hold a poultry show probably between Christmas and New Year, this being a date that will not conflict with similar shows in the state. The association proposes not only to develop the poultry business, but to bring the members into social relations where they may "swap" ideas of various kinds.

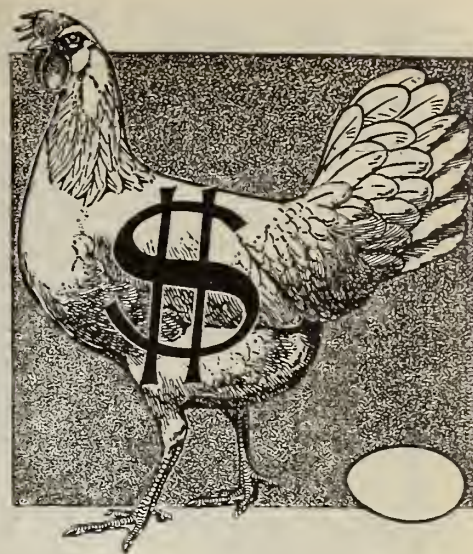
The Spartanburg (S. C.) Poultry & Pet Stock Association, at a recent meeting, elected officers and set Dec. 5-8, 1911, as the date for the next show. Mr. H. P. Schwab, Irondequoit, N. Y., has been selected as judge, and the members of the association are now congratulating themselves on their good luck in securing the services of such a popular and well-known judge. The judging will be by comparison, instead of by score card as in the show last year. The following officers were elected: Gabriel Cannon, president; C. W. Anderson, first vice-president; L. M. Pearson, second vice-president; R. M. DeSaussure, third vice-president; E. B. Lemond, secretary-treasurer. An executive committee composed of the above five officers, together with W. C. Cannon, W. W. Fant, H. E. Heinitsh and J. W. Mansfield, were also elected. The poultry raising fever is spreading very fast in that section, and on account of the genial climate, good markets and

THE BREED THAT LAYS IS THE BREED THAT PAYS

Now is the time to start with the **Paying Breed**. We offer the following at bargain prices, for quick delivery. **500 S. C. WHITE LEGHORN HENS 1 year old \$1 and \$2.** These birds were all used in our breeding pens this year and have proven heavy layers. There are so many prize-winners among them. **200 March Hatched Pullets, \$1.50 and \$2.; Cockerels 75c.** **500 two months old Pullets 57c, Cockerels 25c.**

NOW IS THE TIME TO START IN THE SQUAB BUSINESS

Squabs are selling now (June) at \$4 and \$5 per dozen will be \$6 to \$8 this winter. We have 100 pairs mated and working. **Hens at \$1.50 per pair. 10 pairs Cornaux, BIG RED PIGEONS at \$5 per pair. 40 Cornaux Youngsters from 5 to 8 weeks old \$1 a piece.** These birds are all large, healthy ones, and raising the best and largest squabs. Order now as these will not last long at these wonderful prices. Everything guaranteed as represented.



W. K. Cumming & Company
WINCHESTER : : : : KENTUCKY



ROYAL STRAIN BARRED ROCKS

Have won for us in the past two years at the following shows and they will win for you. 2d cockerel, 2d and 3d hen, 4th pullet, 2d pen, Greenville, S. C., 1909; 4th cockerel, Spartanburg, S. C., 1909; 1st pullet, Charlotte, N. C., 1909; 3d cockerel, 1st hen, Atlanta, Ga., 1910; 1st cock, Augusta, Ga., 1910; 4th cock, 2d and 5th hen, Charlotte, N. C., 1910. **EGGS—\$3.00 per setting of 15; two setting for \$5.00. Incubator eggs, \$1.50 per 15; \$8.50 per 100.**

DES-RENA POULTRY YARDS
GREENVILLE, S. C.

EGGS FOR SALE

From prize birds, full blooded stock; none better. **BARRED PLYMOUTH ROCKS and SINGLE COMB WHITE LEGHORNS, 15 Eggs for \$1; \$6 per hundred. STOCK FOR SALE.** Orders filled at once.

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INDIAN RUNNER DUCKS, B. P. ROCKS, MOTTLED ANCONAS

Full feathered ducks, \$1.25 each; eggs, \$1.25 per 15. S. C. Mottled Anconas, eggs and stock for sale. Barred Plymouth Rock eggs, \$1.00 per 15.
RIVERVIEW POULTRY FARM, W. F. Bayless, Prop., Morristown, Tenn.



RHODES' White INDIAN RUNNER DUCKS

Eggs, \$6 per 12. Taking orders now for stock, fall delivery.
Also Standard Fawn and White Runners
Eggs, \$2.00 per 12; \$5.00 per 50; \$10.00 per 100.

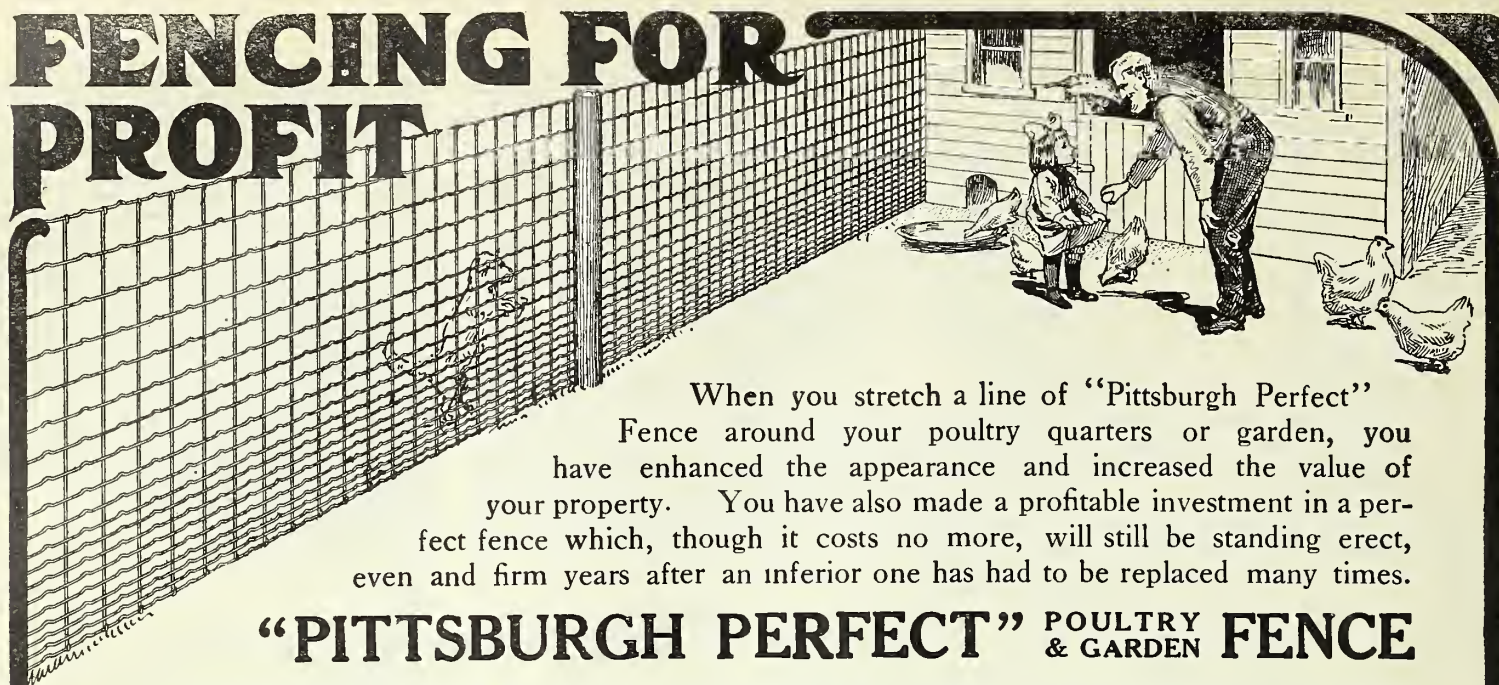
MRS. A. N. RHODES : **Newcastle, Indiana**

Buff ORPINGTONS Black WHITE WYANDOTTES

The kind that **LAY, WIN and PAY.** Let me send you my mating list.
A few good Cockerels for sale at a Bargain.

E. W. PHILLIPS **PINE BLUFF, ARK.**

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When you stretch a line of "Pittsburgh Perfect" Fence around your poultry quarters or garden, you have enhanced the appearance and increased the value of your property. You have also made a profitable investment in a perfect fence which, though it costs no more, will still be standing erect, even and firm years after an inferior one has had to be replaced many times.

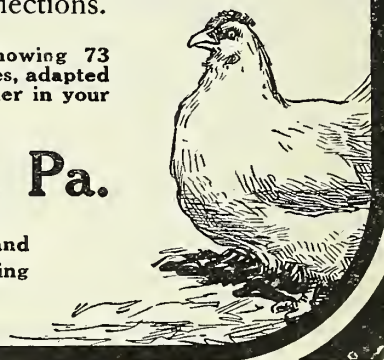
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as well as all other styles, is made of our special Open-Hearth wire—the toughest, most enduring metal it is possible to produce for fence manufacture. The wire is evenly and uniformly galvanized with pure zinc, and resists rust and corrosion for the longest time. The line and stay wires, all the same size, are **ELECTRICALLY WELDED at the JOINTS**, producing a solid fabric of metal, perfectly adaptable to all levels and deflections.

EVERY ROD GUARANTEED PERFECT Write for catalogue showing 73 different styles and sizes, adapted to every FIELD, FARM, RANCH, LAWN or POULTRY purpose, or look up the best dealer in your town—he handles "Pittsburgh Perfect" Fence exclusively.

Pittsburgh Steel Company, Pittsburgh, Pa.

MAKERS OF "Pittsburgh Perfect" Brands of Barbed Wire, Bright, Annealed and Galvanized Wire, Fence Staples, Standard Wire Nails and "Pittsburgh Perfect" Fencing



excellent railroad facilities, there is every reason to believe that this will soon be one of the very best poultry raising sections of the country. In that event, the shows held by the Spartanburg Poultry & Pet Stock Association will eventually grow from one of modest beginning to that of the largest in the South Atlantic states.

The secretary of the Little Rock (Ark.) show reports that they have employed C. A. Emry of Carthage, Mo., and F. J. Marshall, of College Park, Ga., to judge their coming show on Dec. 4-9, 1911. The officers of the association are getting busy and hope to add a very large membership within the next few weeks. This is Judge Emry's third year at Little Rock and speaks highly for the quality of his work. Judge Marshall is also a well-known and popular judge, and it is an assured fact that every one who enters a bird at the Little Rock show will get a square deal, and all that is coming to him. After mature deliberation the Little Rock Association decided to again use the score card system, believing it being best suited to their needs. This will no doubt be good news to the score card advocates. The premium list will soon be out, and the secretary, Jas. B. Johnson, will be glad to hear from every one contemplating an entry at this show.

The Tennessee State Fair Association will pay \$75.00 for the largest and best display of any one breed of poultry shown at the Tennessee State Fair, Nashville, Tenn., September 18-23, 1911.

A prize of \$50.00 for second, \$25 for third, \$15.00 for fourth, and \$10.00 for fifth largest and best display has also been offered. \$25.00 will be paid for the best pen of birds in the American, Asiatic or Mediterranean classes, shown by a breeder residing in Tennessee, Alabama or Kentucky. Many other big cash specials have been offered for the show this year besides the regular cash prizes in all breeds and varieties. If you have

not already made application for premium list and entry blanks, do so at once. Address John A. Murkin, superintendent, Nashville, Tenn.

The Augusta (Ga.) association has announced the date of its show, Nov. 6 to 11, 1911. The following officers were elected for the ensuing year: Dr. W. C. Cleckley, president; John J. Cohen, Jr., vice-president; J. Miller Walker, treas-

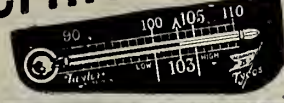


WHITE ORPINGTONS

A bunch of future prize-winners owned and bred by Bernice Poultry Block, Bernice, Ia.

"TYCOS" Incubator Thermometer

is the Quality Mark in Incubators. The higher grade machines are equipped with "Tycos" instruments. Insist on the genuine.



ACCURACY
"Tycos" Incubator Thermometers, each, 75c. "Tycos" Incubator Hygrometers, each, \$1.50. Send for free booklet, "Incubator Thermometer Facts Worth Knowing."

Taylor Instrument Companies ROCHESTER N. Y.



This Folding Coop with 1/2 inch maple rods, painted light blue and with clean out drawer, size 24x24x30, all complete \$1.25. Pen size 40 inches long \$2.25. Shipping coops 30c up.

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For training, exhibition, shipping **LARGE STOCK**—all standard sizes, neat, strong, attractive. Equipping Associations and Fairs a specialty. 20 years experience back of every coop. **NONE BETTER.** Somerset, Pa., Association bought \$300 worth last season; entirely satisfied. Quick shipment. Satisfaction guaranteed.

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500 S. C. W. Leghorns and B. P. Rock Pullets and Cockerels, pure, full blooded, standard bred. Real beauties \$1.00 each. Shipped at once.

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CORTEZ : : FLORIDA

Blair's BUFF ROCKS

WINNERS AT THE LEADING SHOWS

On account of other business connections I will be compelled to sell my entire flock of Buffs with my good will, etc. Write me if interested. I will make you a proposition that you will appreciate.

MAPLE HILL POULTRY FARM, Box F, Carlisle, Ky.
J. Gaylord Blair, Prop., State V. Pres. Buff Rock Club

Fogg's S.C.W. Leghorns

WILL PLEASE YOU. Several thousand **COCKS, HENS, COCKERELS and PULLETS** now ready to fill your orders. They are the finest lot I ever raised. I **GUARANTEE SATISFACTION**—Write your wants.

N. V. FOGG, Box A, Mt. Sterling, Ky.

WHITE WYANDOTTES

PRIZE WINNERS, EGG LAYERS

Some choice cockerels for sale. Eggs for setting.

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Box 1 : : : Lexington, Kentucky

MAMMOTH BRONZE TURKEYS

Barred Plymouth Rocks, Best quality; prize-winning strains of each. **MRS. W. J. LANDESS.**

EASTVIEW POULTRY YARDS
Route No. 5 : Fayetteville, Tenn.

urer; Dr. W. T. Barks, secretary; H. H. Verdery, assistant secretary; W. A. Herman, F. E. Newhall, R. S. Guess, M. C. Jones, W. R. Monday, L. J. Schaul, H. S. Dunbar, A. Bindewald, Dr. Woodberry, J. Willie Levy, G. R. Tommins and C. E. Whitney, directors. The judges will be F. J. Marshall, College Park, Ga., and W. Theo. Wittman, Allentown, Pa. It goes without saying that the Augusta boys will have another successful show. For management, care of birds, promptness of delivery of birds and premium checks and cups, the Augusta boys hold the record.

The great Mid-West Poultry and Pet Stock Association, Chicago, Ill., has decided to add a new feature at their third annual exhibition, Dec. 14-19, 1911, in the breeding pen entries for Buff and Red fowls. Heretofore all breeds and varieties have competed alike in breeding pen entries. The pens were made up of old and young birds or both. This rule has worked satisfactorily in



SNOW QUEEN

Rose Comb White Orpington Hen in the first pen at the Cheviot Farms, is of massive type, good size and color equaled to few, if any, of the Rose Comb.

nearly all breeds, but it is a decided handicap to all fowls with Buff and Red plumage, and believing that many choice breeding hens which should have been shown have been left at home by the exhibitors, or left out of the money by the judges, the association has decided to make two classes for breeding pens of Buff and Red fowls, one class to consist of cockerels and pullets and the other of cocks and hens, the two classes to compete separately. This system should bring out the greatest collection of Rhode Island Red hens that ever graced a show room and should very materially assist the Buff Orpingtons, Buff Wyandottes, Buff Rocks and Buff Leghorns. The premium list for this great show will be ready Nov. 1. Entries close Nov. 28. For full particulars, address Theo. Hewes, secretary, Indianapolis, Ind.

An essential to the hen's comfort in cold weather is a floor where no drafts are felt. While you are repairing the chicken house, bank it up well on the outside, and if the floor is of earth, make sure to have it higher inside than the ground without.—From *Farm Journal*.

Poultry Profits Doubled

1 I bring 30¢

1 I bring only 15¢

CAPONS bring the largest profits — 100% more than other poultry. Caponizing is easy and soon learned. Capons sell for 30c. a pound, while ordinary poultry brings only 15c. a pound. Progressive poultrymen know these things and use

PILLING CAPONIZING SETS

Sent postpaid, \$2.50 per set with "Easy-to-use" instructions.

We also make *Poultry Marker*, 25c. *Gape Worm Extractor*, 25c. *French Killing Knife*, 50c. Booklet, "Guide for Caponizing," FREE.

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B. P. ROCKS, S. C. W. LEGHORNS

Eggs from stock full of vigor, size, beauty and utility. Won at Nashville, Sept. 1910, 1st cock; Appalachian Exposition, 3d cock, 4th hen; Lebanon, 1911, 1st cock, 1st and 3d hen, 1st pen and 3d cockerel; Leghorns, 1st cockerel, 2d pullet; at Nashville, 2d pullet. Orders promptly filled.

MISS ELLA DAVIS, R. 2, Mt. Juliet, Tenn.



5000 R. I. REDS, Rose and Single Combs. We now have growing on our farms, about 5,000 young R. I. Reds. If you want show birds we will sell guaranteed winners for shows everywhere. Have you seen the "Origin and History of R. I. Reds?" If not send 20c in stamps and same will be forwarded you. Address: C. L. BUSCHMANN, North Meridian St Indianapolis, Indiana.

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Three miles from Knoxville, one mile from car line, on pike, 10 acres good strong land—about one acre in timber; splendid building site.

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Wealth in Poultry

300 page book shows you. Illustrated. Teaches how to raise for profit. 200 vital subjects indexed. 20 disease cures. Book is worth \$5. mailed for 50c; or with *Industrious Hen* 1 year for 75c. Money returned if not satisfied. Circular and sample of "Industrious Hen," leading Southern poultry journal, FREE.

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How to Make Money Raising Poultry

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PRICE 50 CENTS

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LaFollett's Weekly MAGAZINE and *The Industrious Hen*, both one year, and a copy of "Hen and Chicks" for \$1.25. Send orders to **THE INDUSTRIOUS HEN, Knoxville, Tenn.**

S. C. B. ORPINGTONS

The Kind That LAY, WIN and PAY. Winners in a class of 180 Buffs at Augusta show. Classed with world's best. **WINNINGS**—1st hen, 2d cock, 4th pullet, 3d and 4th pen. Stock for sale that will win for you and breed you winners.

ROSE HILL POULTRY YARD
O. A. Muse, Prop. Box 4, Decatur, Ga.

S.C. White Leghorns

Will have lots of stock for sale from my exhibition pens for Fall shows. Eggs from best pens, \$1.00 per 15 balance of season.

J. B. VINSON
1020 Mulberry St. : **PINE BLUFF, ARK.**

Mammoth Poultry Plant

A new industry for Meridian, Miss., is being started by the Meridian Woman's College in the way of a large up-to-date poultry farm. This is a large and growing industry in America, and especially in the South, and it is no wonder that this progressive institution of learning should be first to start a large plant, the largest in Meridian if not in the state. It will be a fine object lesson to the students of these colleges, besides being quite an addition to its facilities for giving first-class board at a reasonable rate. With its fine truck gardens, its herd of Jerseys, its fine lot of blooded Duroc Jersey hogs, and now its poultry farm, board should be an attractive feature of the College. The College thus turns its waste from the table and truck farm into account by feeding it to hogs and chickens, thus teaching a lesson of economy and thrift.

The Woman's College Poultry Farm was not started until about the first of March. It has now a breeding house 120 feet long with hallway throughout, with twenty-eight breeding pens with runs of 100 feet on either side, with modern conveniences of interior arrangements. It has an incubator cellar 16x30 feet, with seventeen incubators and about 3,000 eggs incubated every three weeks. It has a brooder house 16x30 with about 1,000 young chicks and ducklings. It has secured from over the United States some of the finest pens of prize winning show birds in America. The management decided that the best was none too good to start with, and by getting the best blood as foundation stock, would have the finest blood and finest strains.

President Beeson visited some of the finest poultry farms in the country getting ideas as to buildings and arrangement thereof, and had an opportunity to select some of the finest show birds in America. He has not spared means in securing the best stock. He secured a famous pen of White Leghorns that won in Atlanta and Macon, for which its owner refused \$200 in the Atlanta show. He secured perhaps the whitest White Orpington cockerel that could be had and several females that had won prizes in leading poultry shows. He purchased three fine pens of Black Orpingtons from descendants of the highest scoring Black Orpingtons on record. He also purchased a very high scoring pen of Buff Orpingtons. The management has decided to make Orpingtons a specialty, as they believe them to be one of the most popular fowls in America.

The White Leghorn has been selected by this farm as the chicken for egg production. It is, in their opinion, the most popular egg producer in the world, being the breed selected by most egg farms. This farm expects to have 10,000 White Leghorn hens within three years. It is planning laying houses, the first of which is to be erected soon.

Indian Runner Ducks have been selected by this farm for the reason that they are the greatest egg producer, not even excepting the Leghorn. They are the Leghorn among the ducks. They have been known to lay over 300 eggs a year. The Old English strain of ducks lay large beautiful white eggs of finest flavor. They bring a higher price in the market than hen eggs. The College has a flock of about 200 ducks and ducklings and has eggs by the bushel.

This magnificent poultry farm will

EADY'S S. C. RHODE ISLAND REDS EGGS AT HALF PRICE

We will sell you eggs from May 15th. until November 1st, at half price, from \$1.00 to \$2.50 per setting of 15 eggs. We have some nice young hens and cocks for sale at a reasonable price.

C. W. EADY, Gunterville, Ala.

WINNERS AND SONS AND DAUGHTERS of WINNERS of my famous

"HOOSIER" BARRED PLYMOUTH ROCKS

at greatly reduced prices. Get price list and finely illustrated references to these birds. Improve the opportunity. **The Barred Rock Specialist**

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Box 77A11

Marion, Ind.

Gabhart's S. C. W. Leghorns

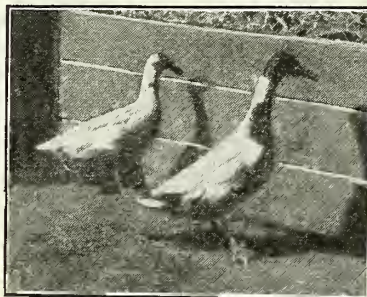
My breeders now for sale, **Hens \$1.50 to \$5.00, Two Cocks left \$10 each. Young Stock** ready for the fall shows of the best breeding only. Remember these have been line bred for seven years, and I have a show record unequalled at the Appalachian Exposition, Cincinnati, Louisville, Nashville, Lexington and Kentucky State Fair. Start right with the best in the south. Every bird guaranteed.

W. E. GABHART,

Box M,

Bohon, Kentucky

IMPORTED INDIAN RUNNER DUCKS



One of the best strains in America. **A record of 225 eggs a year.** Eggs—\$1.00 per 13. Day-old ducks—50 cents each.

S. C. WHITE and BROWN LEGHORNS

Eggs—\$1.25 per 15.

THE ALPINE EGG FARM

S. H. RIGGS & SONS

Route 3, Morristown, Tenn.

Wm. COOK & SONS

ORIGINATORS

OF ALL THE

ORPINGTONS

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SCOTCH PLAINS, N. J.

It is natural when you want the **Best Orpingtons**, any variety, that you send to their **Originators** for them. **Eventually** you will. Why not now? Send 10c for catalog with history of the Orpingtons and Hints on Poultry Keeping. Several thousand stock birds always for sale.

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DUMARESQ STRAIN

Stock from Ribbon Winners for sale. If you want genuine Buttercups, send for my circular.

MRS. J. S. DUMARESQ, Cato's Hall, Easton, Md.

EGGS, \$3.00 Per 15

Free circulars on Matings and Show Record. 500 regular and special premiums, including many silver cups, in six years is my record on

BROWN LEGHORNS

E. E. CARTER

KNOXVILLE : TENNESSEE

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Furs, Hides, Wool, Beeswax, Cow Peas, Ginseng, all kinds of Roots and Herbs. Write for free price list.

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109 W. Jackson Avenue KNOXVILLE, TENN.

"Only" Rose Comb Rhode Island REDS

Won again at Great Hagerstown Show, Oct. 1910: 2d and 3d cock; 2d hen; 3d cockerel; 2d, 4th and 5th pullet, and 1st pen. This with my winnings heretofore certainly prove that I have Reds of great quality. Write your wants. **M. C. RICHARDSON, JR.**, Member of Red Clubs, Front Royal, Va.

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Get this magazine before you start with Orpingtons. 25c a year or send 50c and include any 50c poultry magazine. Sample copy free.

MILTON BROWN : Sta. L, Cincinnati, O.

WHITE DIARRHOEA

Tablet 3 cures it! J. C. Fishel writes, "It does the work, rush 3 dozen more boxes." 25c a box; 6 for \$1. Agents Wanted. **CHEVIOT SUPPLY COMPANY**, Cincinnati, Ohio.

S. C. White Leghorn Eggs Only

Satisfaction guaranteed or your money will be refunded. Birds scored by Savage from 93 to 94. **MET L. WILBOURNE**, Pine Bluff, Ark.

WHITE WYANDOTTES

The kind that win in any show. Stock and Eggs. Satisfaction guaranteed.

GEO. BARKDOLL, Box 218, West Unity, O.

EGGS AT HALF PRICE

Houdans of perfection, Zebra B. P. Rocks, S. C. B. Leghorns of quality, Indian Runner Ducks. Send for catalog. **IDEAL POULTRY FARM**, Monahan & Kirby, Box 1, Orleans, Indiana.

Here is the Paper you are looking for

You can make money from your poultry if you read the **IDEAL POULTRY JOURNAL**. Each issue is full of poultry information. Illustrated Profit-Increasing Articles, telling all about successful, natural and artificial incubating and brooding, profitable broiler and roaster raising and egg production; mating, exhibiting and judging, building poultry houses, coops and fixtures. Various departments including a **Breeders' Information Bureau** (free) published monthly, 50 cents a year.



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As an inducement for new subscribers, we will send **IDEAL POULTRY JOURNAL** four months for 10 cents in coin or stamps. **NOW IS THE TIME**. If you are not satisfied with the **IDEAL** at the end of the four months, write and tell us and we will cheerfully refund your money. Breeders everywhere recommend it. Send ten Cents to **IDEAL POULTRY JOURNAL COMPANY** 827 Perdido St. New Orleans, La.

prove a great addition to the city of Meridian and to the entire South. It is already taking on large proportions, although it is but little over three months old. It has over a mile of poultry wire and tons of feed. It is quite a show to see the beautiful high-class show birds on this farm. All poultrymen are cordially invited to visit this farm when in Meridian.

A Knotty Problem Solved

It has been estimated that the greatest difficulty in raising poultry and the one which causes a greater per cent of deaths than all the diseases of fowls is vermin. These pests are found on the chick as soon as it is hatched, and, probably gets in its greatest mischief at a time when it is impossible to apply grease or other preventives commonly known to and used by the poultry raiser. But at last this great difficulty may be overcome. Mr. George Sixeas, the leading poultry dealer of this county and who is authority on poultry and poultry raising, has succeeded in compounding to perfection a powder which, when dusted on the fowl, will effectually destroy every kind of vermin. And this powder can be put upon the young chicks without danger of injury and upon the sitting hen without injury to the eggs or interference with the hatch. These statements are made upon the results from applications of these powders on my own fowls. And without solicitation, I will further state that I have known Mr. George Sixeas, the owner and manufacturer of these powders, for many years and take pleasure in recommending him to the public as an honest, straightforward business man who has the confidence of all who know him.—**F. L. ABBOTT**, Commonwealth's Attorney, Craig County, Va.

Champion Corn Grower

"The tourist into the Southern States, if he possesses an inquiring mind and mingles with his brethren, will discover that a fifteen-year-old boy is the reigning hero of the period," writes Stanley Johnson in *The American Magazine* for June. In part, he says: "Jerry Moore, of Winona, South Carolina, in the autumn of 1910, won the title of 'Champion Boy Corn Grower of the World.' His achievement has made him a tremendous asset to his state. He produced on one acre of land 228 bushels and three pecks of corn. He has become the carnate symbol of a great future for the South in agriculture—the youthful Messiah of the soil. A few years ago the average yield of corn to the acre in South Carolina was a fraction over eight bushels; last year he crop had grown to an average of eighteen and a fraction bushels. This shows growth in intelligence of culture as well as in quantity. The cause of the increase has been the boys of South Carolina—and, in fact, of the whole South. Jerry Moore is the champion of an army of over five thousand boys in South Carolina alone, enrolled in the Boys' Corn Clubs of the South. They have not only been learning what can be done on the farms with a scientific application of fertilizers and a deeper furrowing of the plow, but they have taught their elders."

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Cockerels and pullets bred from our Louisville, Ky., winners. Single birds, pairs, trios or pens in any number. Birds good enough for show or breeding pen. Quality backed by years of skillful matting. New standard, fawn and white

Indian Runner Duck Eggs

Greatest laying fowl the world has ever produced.

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REST AND HEALTH TO MOTHER AND CHILD.

MRS. WINSLOW'S SOOTHING SYRUP has been used for over SIXTY YEARS by MILLIONS of MOTHERS for their CHILDREN WHILE TEETHING, with PERFECT SUCCESS. It SOOTHES the CHILD, SOFTENS the GUMS, ALLAYS all PAIN; CURES WIND COLIC, and is the best remedy for DIARRHOEA. It is absolutely harmless. Be sure and ask for "Mrs. Winslow's Soothing Syrup," and take no other kind. Twenty-five cents a bottle.

"Blue Grass Strain"

WHITE ROCKS

Popular type of proven Quality.

R. L. JAMES, Box H, Lexington, Ky.

S.C. Buff Orpingtons

Exclusive stock and eggs for sale in season. At Bristol, 1910, won 1st hen, 4th cockerel, 3d cock; at Abingdon, 1911, 2d hen, 4th cockerel, 4th pullet, 1st pen; at Roanoke, 1911, 2d and 4th hen, 4th cockerel, 4th pullet, 1st pen; also club special for best pen. **C. H. TRAMMELL**, 328 Seventh Street, Bristol, Tennessee.

Barred PLYMOUTH ROCKS

Eggs from prize-winning strains, \$2 for 15. Farm raised, extra healthy. All eggs guaranteed to be fertile. Order from this ad, or write at once to

SHADY LAWN POULTRY FARM

MRS. JAS. R. PHILLIPS, Box 10G, Sugar Grove, N. C.

Wolf Creek Poultry Yards

M. H. SMITH, Proprietor

Barred Plymouth Rocks

Exclusively

STOCK AND EGGS IN SEASON

If you need any birds for the fall shows or next year's breeders, we have them. Give us a trial. We can please you. Satisfaction guaranteed.

Box 242

Abingdon, Va.

LEC BANDS

Send name now for many free samples and prices. Most complete line of highest quality bands for every use.

SMITH SEALED. Used by America's leading fanciers. Prices: 12, 30c; 25, 50c; 60, \$1.00; 100, \$1.50; 500, \$6.50; 1000, \$12.50; postpaid.

LEADER ADJUSTABLE. Smoothest and most secure fastening ever invented. Prices postpaid: 12, 15c; 25, 25c; 50, 40c; 100, 65c; 250, \$1.50; 500, \$2.75; 1,000, \$5.25.

Samples of these and many other styles free if you send postal now for booklet.

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"XX" EGGS

are the fertile eggs. Testimonials stating 100% hatches from such eggs. 10 solid pages of testimonials!! You can pick them all out BEFORE you incubate. Our free circular tells the whole story. Tester with best instructions for incubation \$2.00. 30,000 in use. Sent by registered mail. If not satisfied by March 1, 1912, money refunded.

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Bridgeburg, Can. ; ; Buffalo, N. Y.

THE FAVORITE BAND
THE BEST IN THE WORLD
12 for 15c, 25 for 25c, 50 for 40c, 100 for 65c.

CHAS. L. STILES
30 Columbia Bld. COLUMBUS, OHIO

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Trial Offer, 100 Note Heads, 100 Envelopes 75 cents, with cut of your breed. We use Stiles' Cuts. Samples 10c, returned on first order. Address

Poultry Printers, Box 10-H, Sugar Grove, N. C.

S. C. BUFF LEGHORNS

Eggs, layers, breeders, winners

P. M. BROWN ; ; Paducah, Ky.

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THE QUALITY KIND

ROBERT P. ADAMS

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ALL the NEWS ALL the TIME!

SILVER WYANDOTTES

My birds have won their share of prizes at Knoxville, Augusta, Asheville, Wadesboro and Spartanburg. Look up their record. Eggs, \$3.00 per setting of 15.

GABRIEL CANNON, Spartanburg, S.C.

White and Barred ROCKS

Robinson breeds two of the best strains of White and Barred Rocks. Eggs from choice pen, \$1.50 per 15; others \$1.00 per 15. A few nice cockerels for sale.

R. D. ROBINSON ; White Hall, S. C.

How to Build a Poultry House

It is surprising to note with what indifference the poultry house subject is regarded when, as a matter of fact, it is by far the most important feature of the whole industry. Poorly constructed houses have caused more failures in the poultry business than all other causes combined, yet when the average poultryman is asked what he regards as the most important feature of the business, he seldom thinks of the house holding first place.

Without properly constructed houses no poultry plant can succeed for sooner or later the fowl must suffer from colds, roup and other diseases that are equally fatal and temporary failure, at least, must follow.

It costs no more to build a poultry house properly designed than it does to build one that is all wrong—in fact, it many times costs less, yet we see those worthless houses going up day after day simply because the builders don't understand even the first principles of poultry house building.

The Buckeye Incubator Company has recently published a booklet entitled "The Modern Method of Poultry Keeping," which treats on this subject in a very intelligent manner. It not only tells how a practical house should be built, but in addition it explains in a clear, concise manner the reasons therefor.

While it is true that the Buckeye Incubator Company publish this booklet for the purpose of selling their portable houses, it is not necessary for our readers to buy them unless they see an advantage in doing so. We would therefore advise our readers to send for this booklet and at least get the advantage of the excellent information that it contains regarding poultry house building.

Oculum

There has been so many worthless preparations advertised and foisted upon the poultrymen as cure-alls for all complaints to which our feathered friends are heirs, that poultry raisers in general have been a little reluctant about trying new remedies.

Therefore when Oculum was discovered and placed on the market, a new method of advertising was adopted. It was placed in the hands of the most prominent poultrymen in the land. Its value as a cure for White Diarrhoea, Cholera and Gapes was demonstrated by a representative of the company and in not one instance did the remedy fail in its mission.

It was given a thorough trial by such prominent fanciers and poultrymen as A. C. Hawkins, C. H. Latham, U. R. Fishel, Bradley Bros., and many others and has their unqualified endorsement. On many farms where White Diarrhoea has been prevalent heretofore, all indications of the same have been eradicated by the timely use of this remedy.

No poultryman should be without a supply of it. A sample bottle may be had by addressing The Hancock Inoculation Co., Salem, Va., and mention this magazine when writing.

To get size in young stock give plenty of grain food, grit and ground bone; oily foods are good for growing stock and also at molting time.

We Pay You 50 cts.

for the empty box that contained the remedy, if

CONKEY'S ROUP CURE



fails to cure Roup, Colds or Canker in Domestic Fowls or Pigeons. This wonderful powder is given in the drinking water. C. W. Fowler, breeder of Buff Plymouth Rocks, Smyrna, Georgia, writes: "I believe that every 50c package of your Roup Cure saves me \$50 in birds." It kills the germs! An absolute preventive! A splendid tonic. If your dealer cannot supply you we will! Prices, 50c and \$1.00, postpaid. We make one remedy for each disease. "The Conkey Book" (Price 25c) sent FREE if you give name of your poultry supply dealer and enclose 4c postage. Address G. E. CONKEY CO., Dept. 17, Conkey Laboratories, CLEVELAND, O.

When In Need

Of Diamonds, Watches Jewelry, Silverware in Chests, Sets or Single Pieces, Cut Glass, Art Wares, Prize Cups, and Wedding or Social Engraved Stationery.

It will pay you to visit our long Established Store, or send for free illustrated catalog. Reliable goods only, at moderate prices. We engrave free and neatly case Wedding Gifts.

Our Repairing and Our Optical Departments are in charge of experts.

H. J. Cook Co.

The Popular Jewelers and Opticians,
409 Gay Street Knoxville, Tennessee

Indian Runner Ducks

500 DUCKS FOR SALE. Must have room for young stock. \$1.00 each in lots of 100. Hundreds of eggs for sale. Also Young Ducklings.

W. J. SANFORD, R. 11, Lebanon, Ind.

Print a Picture of Your Breed on Your Stationery

We have hundreds of cuts of poultry, pigeons, ducks, geese and turkeys from one to ten inches square. You should have your stationery illustrated. If you prefer to use a cut of one of your own birds send us the photograph. We have excellent facilities for making the very best half-tone cuts that may be used in poultry journals or on stationery. Ask for proof of cuts of any breed you like, mentioning size. They will be sent free.

THE INDUSTRIOUS HEN CO.,
Knoxville, Tenn.

Let us build you a better Poultry House

for what it would cost you for the lumber.

Our No-Yard House is big enough for 20 hens. 6 ft. long, 8 ft. deep, 6 1/2 ft. high. We sell it all complete with roosts, laying boxes, dropping board and feeding platform at \$25. That is cheaper than you could buy the material.

BUCKEYE NO-YARD PORTABLE POULTRY HOUSES

have the approval of the U. S. Government, the National Poultry Association, and every poultry magazine published. It's built on the fresh-air plan that has revolutionized the whole poultry industry. It eliminates disease, the hens lay more eggs and they never bother your garden or your neighbor. Just the thing for the small city lot or the largest poultry plant. Let us tell you all about it in our book "The Modern Method of Poultry Keeping." It's free. Write to-day.

THE BUCKEYE INCUBATOR CO., 525 Euclid Avenue, Springfield, O.

Single Comb WHITE LEGHORNS

The Great Egg Producers
Pine Burr Poultry Farm, Morristown, Tenn.

BARGAIN SALE

Of Indian Runner Ducks, S. C. White Leghorns, White Wyandottes and Collie Pups.
F. H. SHREWSBURY, Deputy, Ind.

The SOUTHERN PLANTER

The South's Oldest, Largest and Best Farm Magazine

and THE INDUSTRIOUS HEN, both one year for 50 cents.

INDUSTRIOUS HEN CO., Knoxville, Tenn.

PLANT'S S. C. R. I. REDS

Winners at Georgia State Fair, Macon, 1910: 1st cockerel, class of 25; 1st hen, class of 17; 1st pen, class of 12, and 2d pullet, class of 25. Largest and Best Display of Reds, both combs competing. Cockerels for sale at \$5, \$10 and \$15 each. Eggs \$1.50, \$3 and \$5 per 15. Satisfaction guaranteed.

R. H. PLANT, Box 50, Route 1, Macon, Ga.

CHAS. R. HUMBER

Breeder of High-Class, Single Comb

Buff and Black Orpingtons

COLUMBUS, GA.

White ORPINGTONS Buff

OF QUALITY. Eggs from High-Class stock at reasonable prices. Quality considered. Satisfaction guaranteed. Seven years experience with both varieties. Mating List for the asking.

DR. J. A. POSEY : Frankfort, Ky.

Mention "The Industrious Hen"

BETSCHER'S HIGH-GRADE

Barred Rocks

Winners at the Leading Shows

Line bred, both cockerel and pullet matings that produce winners. Eggs for sale. Also Strawberry plants. Quality is our motto.

J. BETSCHER, Canal Dover, O.

A BUNCH OF FACTS

J. A. THORNHILL, Hartselle, Ala.

Lice and mites are great revenue suckers. Keep them on the move.

A laying hen that is true will go to her roost at night with a full crop, which will be emptied by morning.

Give all grain in deep litter. It compels exercise, which forces the blood through the entire system, thereby producing plenty of eggs of the fertile sort.

Feather pulling is a habit, not for the lack of any elements the body requires, but the want of exercise. Give a pen of feather pulling birds free range, nothing else, and they will quit the habit.

There is no harm in giving poultry a little pepper to start them laying. Too much brings about irritation through its stimulating effects on the bowels and egg tract. The right hen given the right food and care will lay without it.

Hens that are too fat are not only poor layers, but their eggs will invariably be infertile. A poor hen will not lay many eggs, nor can she lay fertile ones, but a well-kept one allowed plenty of exercise will do both.

I do not believe that big fat maggots will directly cause Limberneck. Again, (from experience, not theory), I know that maggots eaten from decayed meat, manure piles, privies, etc., will indirectly cause it. I have opened the crop of birds that died of limberneck and found maggots in every case. I have treated birds with turpentine and castor oil and cured them. Carbolic acid will kill the maggots and linseed oil will work them through the fowls. I repeat that working the maggots out of the digestive tract is where the cure is effected. Nevertheless, I know that the above remedy will do the job.

My dear Southern poultrymen and women, put this under your hat. Whatever you do, don't allow your birds to have access to any decayed meat, manure piles, etc. This isn't a theoretical suggestion, but one coming from actual experience and monetary loss. Remember, I don't claim that maggots, manure, privy refuse, etc., is the cause of this disease, but I do claim that it is directly responsible for it.

I don't claim to be an all-wise, up-to-date, know-it-all kind of a fellow, but I have raised poultry in New York and in two towns in Alabama. Bless my cats, never heard of maggots being directly the cause of chicken cholera before. Have several bulletins, have had personal experience, and have read many lengthy articles on the subject, and have never heard of this claim. All that I know about cholera leads me to conclude that filth is the prime cause of its development. I wouldn't give five dollars for forty acres of land for poultry culture that had had an epidemic of chicken cholera on it. Not the fear of maggots, but the deadly germs of the disease would prompt me in this decision.

OWEN FARMS

BUSY TIME

This is a wonderful season here on the Vineyard and especially at Owen Farms. Our hatching season is not over and will not be over until the tenth of August, for last year we shipped eggs in large numbers almost up to our capacity right through the month of July and up to the tenth of August, and we expect to do it this year. The chicks that are hatched from the first of August to the last of August make wonderfully rapid growth and get on finely, and it is astonishing to see how near these August hatched chicks approach in size and condition those hatched the last of May or first of June. We shall be ready to fill all orders for eggs for hatching at our usual half price terms up to August 10th.

BARGAIN SALE OF BREEDERS

We are particularly busy now going over all of the birds in our pens, estimating the value of each and every bird and getting them into trim, so as to be able to handle your inquiry in regard to just what we have to offer upon the usual June, July and August sale. We have 1,200 breeders in our pens; 600 of these we are ready to sell to you at one-half the price that we would sell the same birds for prior to our breeding season. We can enter into correspondence with you at once and make delivery as soon as we can satisfy you of the quality you want and the price which is proper to go with it. I urge upon you that this is the grandest and largest opportunity for very high-class breeding birds that Owen Farms has ever had the privilege of offering you.

CORRESPONDENCE

This is the department that keeps us extremely busy at this time, for we have a very large number of applications for guaranteed winners for the future shows. FOURTEEN MONTHS is the record for booking an order for a guaranteed winner for one of the largest shows before the show was to be held. Think of that! Over one year before the delivery was to be made we had booked the order and had received one-quarter payment in advance for a bird guaranteed to win in a show in one year and two months from the time of booking the order. I dare say that no farm in the world has ever booked so many orders for future delivery and so long in advance as Owen Farms, and the reason is not far to see. THE GREATEST BARGAINS ever given by Owen Farms have been their guaranteed winners to their customers, and these have included all of the shows not excluding New York. Think of it; months in advance arrangements have been made with us for these birds and we have carried out the engagement in full and won for our customers, and we are going to do it this year. Only one customer to a class is considered by Owen Farms and if we have made an engagement with anybody else we cannot make an engagement with you. That is why everybody is coming to us early and making their engagements as promptly as possible.

So I say to you, if you contemplate and know that you want to win a certain show, now is the time to commence correspondence about it and to place your order providing that you can agree with us as to the terms.

One strong statement I want to make. No guaranteed winner that we have sold during the last year has been worth less than double the price paid for it to the customer, for the winning is not only made, but the breeding bird that made it has done wonders in the breeding pen as well as in the show room. Get full information about it early and make your decision and book your order so that you will not be disappointed later.

BEST SEASON KNOWN AT OWEN FARMS

This is by far the best season for hatching and growing of chicks that has ever been known at Owen Farms. Our fertility has been good, our hatches have been large and strong and the chicks have lived, and we are prepared surely with two or three times as many early chicks as ever before, and early fall showing will be our specialty. You can depend upon getting what you want in any and all of our varieties for showing from Aug. 1 on.

Busy on the farms? Yes, thrice busy during these months of June, July and August when we are maturing and growing thousands of chicks in each of our varieties, giving them the very best of growing food, large range and facilities that it is worth coming a long distance to see.

OUR VARIETIES

White Orpingtons
Buff Orpingtons
Black Orpingtons
White Plymouth Rocks
Barred Plymouth Rocks
White Wyandottes
S. C. Rhode Island Reds
R. C. Rhode Island Reds

135 William St. OWEN FARMS, Vineyard Haven, Mass.
Wm. BARRY OWEN, Prop. MAURICE P. DELANO, Mgr.



Crown Bone Cutter

Hens fed cut green bone lay more eggs. Get a Crown Bone Cutter. Send to-day for catalogue. Wilson Bros., Box 816 Easton, Pa.

BEST MADE
Lowest
in Price

R. C. RHODE ISLAND REDS

First class stock or eggs at reasonable prices. Send for mating list.

PEYRAT & ROY, Box 32X, Jeffersonville, Ind.

PARTRIDGE WYANDOTTES

Send for catalogue and list of winnings at such shows as Baltimore, Pittsburg, etc. Let me tell you why they are the best of all the Wyandottes.

M. N. CECIL, Route 4, Elm Grove, W. Va.

EGGS—EGGS—EGGS

\$2 per 15 for balance of this season from high-class, cockerel-bred **Barred Rocks** of the famous E. B. Thompson strain. Order now. Satisfaction guaranteed

CLARENCE YOUNG : Sweetwater, Tenn.

Sanders' WYANDOTTES

Blacks and Whites, a good layers.

S. H. SANDERS, R. 1, Nashville, Tenn.

S. C. W. LEGHORNS

Stock for Sale

\$2.00 and up

P. W. BARCLIFT
Hartselle : Alabama

HEADQUARTERS FOR POULTRYMEN Hotel Imperial

Knoxville's Most Modern and
Up-to-date Hotel

LONG DISTANCE PHONES
IN EVERY ROOM

Rates: \$2.50 and up
Rooms with Bath,
\$3.50 and \$4.00 Per Day

AMERICAN PLAN



LAMBERT'S DEATH TO LICE

insures clean fowls—large profits. Absolutely safe, sure and quick in results. If not at your dealer's, send 10 cents for sample of powder for hens, or of ointment for head lice on little chicks. Valuable booklet, "Eggs and How to Get Them" for 2c stamp.

O. K. STOCK FOOD COMPANY
333 Traders Bldg., Chicago, Ill.

A Turkey Judge at the Appalachian Exposition Poultry Show

Turkey raisers of the South will be glad to learn that so much interest has been manifested in the coming show that it was deemed necessary to engage a special turkey judge. Not only one of the most successful breeders of turkeys in the country, but one who is thoroughly familiar with every phase of turkey life has been selected, and that is Mrs. J. C. Shofner, of Mulberry, Tenn. Mrs. Shofner has been breeding turkeys for twenty years, and she will take great pleasure in talking to those interested during the Exposition. She will have a fine exhibit of her own birds not in competition, and will pass on the merits of all others. This is a great opportunity for turkey raisers to get together and show what can be done along the turkey line.

One Breed Best

One reason why success is lacking in a flock of mixed breeds is because of the different natures of the breeds, and the different treatment necessary to get the best results from each. If Leghorns and Plymouth Rocks are yarded together, the amount of corn necessary to the best production of eggs from the Leghorns will add so much fat to the Rocks that eggs will cease and they will soon be good for nothing but the market. In the matter of exercise, too, different breeds have different requirements. Scratching for food is the principal source for exercise during the winter, and when the active Leghorn would work only enough for good results, the Cochins, the Brahmas, or even the Wyandottes or Plymouth Rocks, would be overworked. Difference in the nature of the feed for different breeds must also be taken into consideration. This seems to make it plain that the farmer who is trying to manage a flock of mixed breeds, with best results, is doomed to failure.

MY GREAT INCUBATOR OFFER HAS BEEN ACCEPTED

by thousands of satisfied customers. During all of this season I have been selling

THE NEW BUFFALO

Incubator at just about 1-2 the price that any machine of anything like the quality has ever before been sold for. If you did not get yours you are money out of pocket unless you write at once for particulars.

Send today for prices and full information. Address

CHAS. A. CYPHERS, Pres.,
Buffalo Incubator Co., 4714 Ellicott Sq. Buffalo, N.Y.



Wingert's Indian Runner Ducks

True Fawn and White Strain. Egg half price. A limited number of choice breeders for sale to make room for young stock.

J. J. WINGERT, Box W. Crawfordsville, Ind.

75c Pays for one year's subscription to *The Industrious Hen* and a copy of "Hen and Chicks," or *How to Make Money Raising Poultry*, a 300-page illustrated book on poultry.

New STANDARD of PERFECTION

You Cannot Raise Fowls Intelligently Without a Copy of the *American Standard of Perfection*, the Official Guide to Poultry Culture.

It is published by the American Poultry Association and is authority on the required characteristics of all breeds and varieties of chickens, ducks, turkeys and Geese. Among the many new features of this new Standard are half-tone plates of idealized black and white feathers, as found of parti-colored varieties; five full page plates of feathers in natural colors; a glossary of color terms; half-tone illustrations from idealized photographs of living models, etc. Every breeder should have a copy. Order today and get one of the first.

Prices—Cloth binding, \$1.50, prepaid. With a year's subscription to *THE INDUSTRIOUS HEN*, \$1.75; and a copy of "Hen and Chicks," postpaid, \$2. Send all orders to

THE INDUSTRIOUS HEN CO.
KNOXVILLE, TENN.

TERRELL'S S. C. R. I. REDS

Bred for utility, also fancy points. My birds have been winners since 1904 at such shows as Aberdeen and Meridian, Miss.; Nashville and Bristol, Tenn.; Augusta and Atlanta, Ga.; Charleston, S. C.; Houston and Marshall, Texas; Birmingham, Montgomery and Mobile, Ala.; also in the hands of my customers at many of the big Southern Shows, such as Dallas and Ft. Worth, Texas, Oakland, Cal., and Portland, Ore. EGGS—Prize mating, \$5.00; Special mating, \$2.00—half price after May 1st. Some good breeding stock for sale. Write for circular of winnings and matings.

L. K. TERRELL, Birmingham, Ala.

S. C. BROWN LEGHORNS

Eggs from Prize-Winners \$3 and \$5 per 15 of superb quality. At the big Laporte Show, 1911, I won 1st cock; 1st, 2d, 3d cockerel; 1st, 2d, 3d hen; 1st, 2d, 3d, 4th pullet; 1st, 2d, 3d pen; special for best hen in Mediterranean class. Have shown winners for years and am ready to sell eggs from these winners. Five grand pens mated for the egg trade. No birds scoring less than 90 and some as high as 94½.

HERBERT MOELLER,

Box 112,

Laporte, Indiana

A BARGAIN FOR BARRED ROCK FANCIERS

We have broken up our small breeding pens, but have placed all cockerel-bred birds in one large yard and all pullet-bred birds in another large yard. Not a bird in either yard scoring less than 85 points, and from that up to 92 point prize winners. From now on we offer eggs from either pen at

\$1.50 Per 15 A Life-time Opportunity

Mayflower Poultry Yards

H. L. STERNBERG, Prop.

P. O. Box 34,

Pine Bluff, Ark.

Number of Hens to Pen.

The Maine Experiment Station has made a test to ascertain the most profitable number of hens to be kept in a pen. The hens were Brahmas and Plymouth Rocks, and the test continued six months. The hens were fifteen, twenty, twenty-five and thirty to a pen. The conditions and hens were as much alike as to make the test a conclusive one.

The pen with fifteen hens made a profit of 80 cents per hen, and the number of eggs layed was 976. The pen with twenty hens made a showing of 1,208 eggs for the pen and a profit of 71 cents per hen. The pen with twenty-five hens made a laying record of 1,328 eggs and a profit of 35 cents for each hen. The pen with thirty hens had an egg production of 1,200 and a profit of 30 cents for each hen.

This experiment shows distinctly that hens can be so crowded as to reduce the profit of an egg farm. The difference of twenty-five eggs per hen for six months is great. On the basis, the pen with fifteen to the pen, the profits of the total of ninety hens were \$72; on the basis of thirty to the pen the profits were \$36. In each case the actual cost of feed was deducted. The best authorities on poultry say that plenty of room is as important as plenty of feed.

The Moral Problem of the Children

Through her column, "How Shall I Tell My Child?" in the *Ladies Home Journal*, as well as through her lectures, Mrs. Woodallen Chapman has learned how eager mothers are for help in answering the first questions of their little ones concerning the origin of life. Out of this wide experience has come her little book, "The Moral Problem of the Children," which has been characterized by editors of note as the best book written on this subject. It is the desire of the author to meet the need of as many mothers as possible. Many of the readers of this periodical who are eager to know where they can get just the help desired should have this little volume. The book is published by the Mary Woodallen Fund Committee, 615 162d street, New York. Price, 25 cents.

A Contest of Dressed Fowls

At the Boston poultry show, in January, the judging of utility poultry was a feature. Nine dressed fowls were judged by market men and by students and the decision was unanimous. The fowls in the contest were Wyandottes, Plymouth Rocks and Orpingtons, and awards were placed as they are mentioned.

The reasons given for placing the Wyandottes first were that they were lower set and had fuller breasts than the other birds. Each Wyandotte had a straight breast bone well covered with meat, whereas two birds in each of the other classes had crooked breast bones and lacked the meat covering of the Wyandottes. The Wyandottes were in better condition, better quality and showed quicker maturity than the other classes. They also had stronger heads, brighter eyes, fuller faces and shorter backs, denoting the strongest constitution. The Rocks excelled the Orpingtons in breast development, filling and covering—the Orpingtons being almost bare. The Rocks also had stronger heads, brighter eyes, finer quality and better condition.



GAPE-NIT

50c postpaid. Booklet and testimonials FREE.

PEERLESS GAPE-NIT CO.

THE CURE THAT CURES GAPE. No matter how bad the case. Kills both germ and worm. Prevents little chicks and young turkeys getting Gape. 25c, 50c and \$1 postpaid. PEERLESS CHOLERA CURE never fails

833 Gordon St. : ALLENTOWN, PA.

ORPINGTON SALE

CHEVIOT FARMS

EGGS AND STOCK AT HALF PRICE. The buffs that won championship of America, also Palace and Birmingham, winning Whites and Nabob Strain. Blacks at sensational bargain prices. Sale Bulletin.

Cincinnati, Ohio

WHITE WYANDOTTES

That have gotten their share of honors in the show room. Some one and two year old Hens and Cocks for sale now. Young Stock after September 1, 1911. Eggs at summer price \$1.50 per 15.

OLIVER RUTHERFORD, Box 77, Eutaw, Ala.

IN HOT COMPETITION

Drevenstedt, the best Barred Rock Judge in America, judging, to win 1st, 2d, 3d and 4th cockerels means I could have left my three best birds at home and still won the coveted 1st prize on cockerels at the Kentucky State Poultry Show. Besides the above I won 1st pen; 2d and 3d hen; 2d and 3d pullet; 2d cock; silver cup for best display, all varieties competing; gold special for best display B. P. Rocks and other specials. The above, with my clean sweep on cockerels at the Blue Grass Fair and my marvelous winnings at the Appalachian Exposition, and in addition my winnings for the last four years, stamp my birds the best—the very best. All were bred by me and are in my breeding pens for 1911. Eggs for sale at \$5 for 15 straight. 50 elegant pullet-bred cockerels for sale at \$5 each to make room for my breeding stock. THE POINDEXTER POULTRY YARDS, Barred Plymouth Rocks Exclusively, Harry Martin, Owner and Breeder, Poindexter, Kentucky.



Mammoth Bronze TURKEYS For Sale

Old and young stock from two magnificent flocks, mated for largest size and best plumage. When buying be sure you buy the best. My breeding toms for six years have weighed from 48 lbs. to 50 lbs. at 18 and 20 months of age. Won many prizes in the leading shows, scoring from 96 to 97½ points. I can furnish you young stock that will grow that way for you. Do not delay buying your breeding stock early.

Also Barred Plymouth Rock Chickens from the best prize winning blood. MRS. J. C. SHOFNER, - - - Route 1, Mulberry, Tenn. BOONEVILLE POULTRY YARDS

LAWSON'S BLUE RIBBON STRAIN S. C. WHITE LEGHORNS and IMPORTED INDIAN RUNNER DUCKS

(280-EGG RECORD PER YEAR)

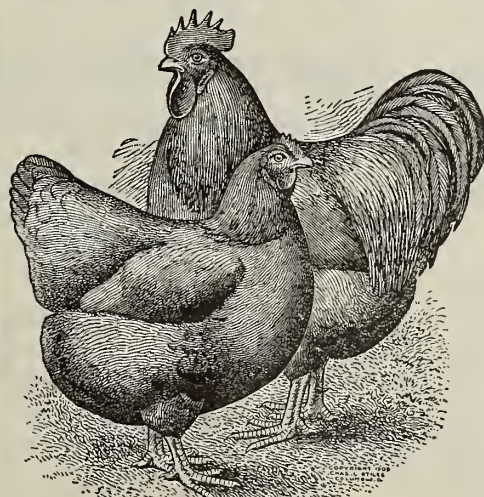
Satisfaction or money back, together with express charges both ways. For the best and a square deal, write

WHITE HILL POULTRY FARM

A. J. LAWSON & SONS, Proprietors.

B. 4, CLEVELAND, TENN.

LAYERS and PAYERS



Royal Orpingtons

WHITE—BUFF—BLACK

Eggs for hatching

\$5^{Per}₁₃ \$9^{Per}₂₆

SHOW STOCK

\$3.00 to \$500 per head.

Eggs for hatching from \$3.000 pen of Royal Columbian Plymouth Rocks \$3.00 each. Stock and eggs shipped to any part of the world. Let us know your wants.

WOODWORTH FARM, WILTON, CONN.

Eggs for hatching from utility stock one-half of above prices.

INDUSTRIOUS HEN SPECIAL BREEDERS

Ads will be inserted in this Department under the following rates: Half-inch cards will be run for 75 cents a month, \$4.00 for six months, and \$7.00 for one year. One-inch cards, \$1.26 a month, \$7.00 for six months and \$13.00 for one year. Payments strictly in advance.

CORNISH INDIANS a Specialty

High-grade cockerels from imported strain. Eggs at \$3.00 per sitting.

TULLY BIRDSONG

R. No. 5, Pulaski, Tenn.

Black, White, Buff

Black

Lumley's Orpingtons, Langshans

PEKIN and INDIAN RUNNER DUCKS. Buff Orpingtons—outlay them all. Sixty-four first premiums at five 1910 shows. STOCK, EGGS, DAY-OLD CHICKS for sale. Satisfaction guaranteed. Prices low. Also Berkshire hogs and Collie dogs.

W. E. LUMLEY, Tullahoma, Tenn.

Mapleton Poultry Yards

Are selling eggs from prize-winners. Choice of pens at \$2.00 per setting of 15. Write for mating list if GOLDENS are what you want. We breed only GOLDENS and are glad of it. G. A. Harrison, Proprietor, MAPLETON POULTRY YARDS, Sta. B., Nashville, Tenn. Member National Golden Wyandotte Club.

Indian Runner Ducks

Hundreds of ducks; thousands of eggs; ducks and drakes \$1.00 each in lots of 100. Eggs—12, 80 cents; 24, \$1.50; 50, \$2.50; 100, \$4.50; 200, \$8.75; 300, \$13.00; 400, \$16.00.

W. J. SANFORD, R. II, Lebanon, Ind.

White and Buff Orpingtons

Stock raised from eggs direct from Owen Farms at \$50.00 per 100. Am booking orders; either kind at \$3.00 per sitting of 15 or two sittings for \$5.00.

STOCK FOR SALE

Stock raised direct from eggs from Mrs. Bridgewater, Dixon Springs, Tenn., at \$3.00 for 15 eggs. MRS. A. B. NIX, Moore's Hill, Ind.

BUFF BLACK WHITE ORPINGTONS

ORPINGTON GROVE

MRS. L. L. UPSON 1124 Prince Ave., Athens, Ga.

Choice Poultry Yards

NOW READY to fill orders for young cockerels and pullets hatched from their PRIZE WINNERS, S. C. Brown and S. C. White Leghorns, S. C. Black Minorcas, Rose and S. C. Rhode Island Reds, White Wyandottes, Buff Orpingtons, Silver Spangled Hamburgs and Black-breasted Red Game Bantams. Price of eggs reduced one-third. Satisfaction guaranteed or money refunded. Catalog free. J. P. SWIFT & SON, Waynesville, N. C.

REDUCTION SALE

600 prize-winning and utility Single and Rose Comb R. I. Reds, Barred P. Rocks; White Wyandottes, Single Comb White and Brown Leghorns. Winners at the largest shows. It will pay you to write me if you want good stock.

CHAS. HUFF

66 Forty-first St.

IRVINGTON, N. J.

S. C. Rhode Island REDS

Langford-Thompson Strain, a combination hard to beat. Eggs, \$3.00 per setting of 15.

MISS ELOISE ALLEN, Dixon Springs, Tennessee

Weingartner's ANCONAS

Excel in egg production, summer or winter. The coming favorite. Eggs—\$3.00 per 15, \$5.00 per 30 WEINGARTNER BROTHERS, New Castle, Pa

S. C. Rhode Island Reds

Eggs from selected pens of large, vigorous and unsurpassed layers at half price for balance of season. Ask for prices and our illustrated mating list. Stock a matter of correspondence. Write us your wants.

PARKELL POULTRY YARDS, Americus, Ga.

RHODE ISLAND REDS and INDIAN RUNNER DUCKS

S. C. and R. C. Rhode Island Red Eggs—\$1.50 and \$2 per 15; \$7 and \$10 per 100. Indian Runner Duck Eggs—From 225 egg strain, \$1.50 per 12; \$5 per 50. A few S. C. and R. C. Red cockerels for sale. \$1.50 to \$3 each. Indian Runner Drakes, \$1.50 to \$2.50 each. No more Ducks for sale. Orders given prompt attention. J. C. CATE, Milan, Tenn. R. 5.

R.C.R.I. REDS

Reds Lay. The Ideal Fowl for Farmer and Fancier. "Eggs to Hatch" from three pens. Only eggs testing fertile sent out. "A Square Deal." Send today for circular. Mention "Industrious Hen."

D. MATT THOMPSON

STATESVILLE, NORTH CAROLINA

"Pineycroft" EGG FARMS

Greenville, South Carolina

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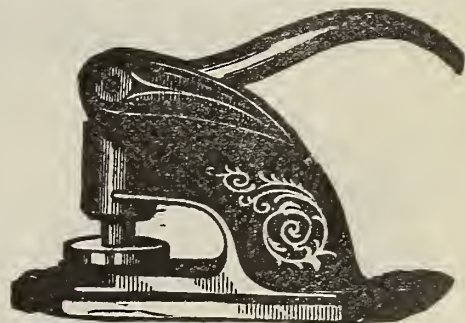
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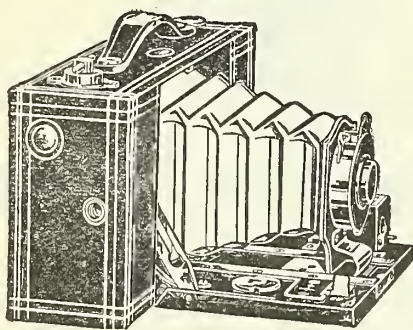
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